COAST GUARD

LIGHT LIST

This publication contains a list of lights, fog signals, buoys, daybeacons, lightships, radiobeacons, and loran stations.

Volume III

PACIFIC COAST
AND
PACIFIC ISLANDS

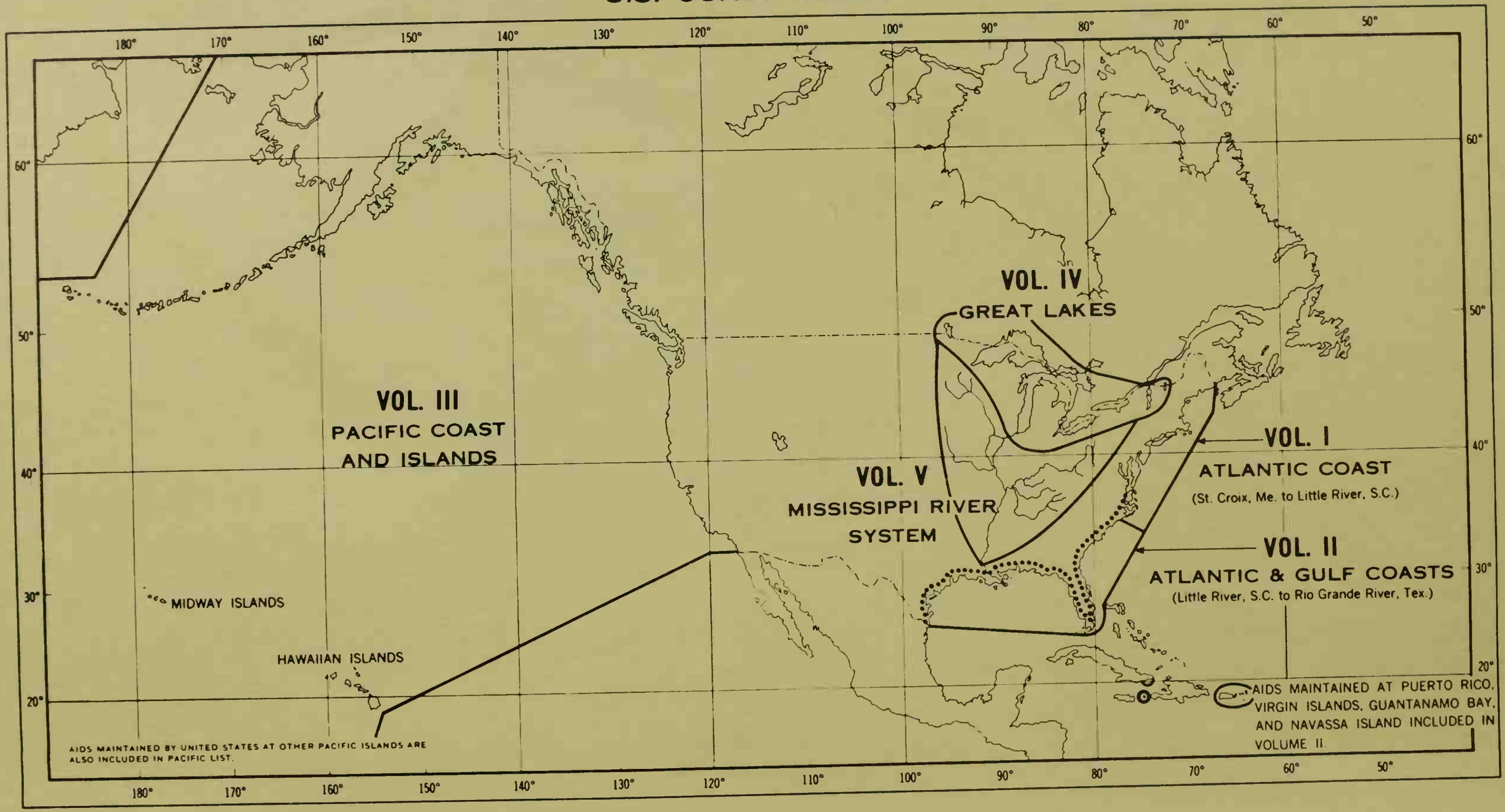
Plans for air defense of the continental United States may require temporary suspension of the operation of certain electronic aids to navigation with little or no advance notice.

1972

CG-162

LIMITS OF LIGHT LISTS PUBLISHED BY

U.S. COAST GUARD


VOL. IV
GREAT LAKES
VOL. III
PACIFIC COAST
AND ISLANDS
VOL. V
MISSISSIPPI RIVER
SYSTEM
VOL. I
ATLANTIC COAST
(St. Croix, Me. to Little River, S.C.)
VOL. II
ATLANTIC & GULF COASTS
(Little River, S.C. to Rio Grande River, Tex.)
MIDWAY ISLANDS
HAWAIIAN ISLANDS
AIDS MAINTAINED AT PUERTO RICO, VIRGIN ISLANDS, GUANTANAMO BAY, AND NAVASSA ISLAND INCLUDED IN VOLUME II.
AIDS MAINTAINED BY UNITED STATES AT OTHER PACIFIC ISLANDS ARE ALSO INCLUDED IN PACIFIC LIST.
180°
170°
160°
150°
140°
130°
120°
110°
100°
90°
80°
70°
60°
50°
60°
50°
40°
30°
20°

DEPARTMENT OF TRANSPORTATION, UNITED STATES COAST GUARD

LIGHT LIST

This publication contains a list of lights, fog signals, buoys, daybeacons, lightships, radiobeacons, and loran stations.

Volume III

PACIFIC COAST
AND
PACIFIC ISLANDS

ELEVENTH, TWELFTH, THIRTEENTH, FOURTEENTH, AND SEVENTEENTH COAST GUARD DISTRICTS

December 4, 1971

Including N.M. No. 48 of 1971

CG-162

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1972

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 - Price $2.75 (paper cover)
Stock Number 5012-0024

The following table is for the purpose of recording the posting of changes to the light list from Notices to Mariners.

Notices to Mariners

YEAR 1971

49............
50............
51............
52............

YEAR 1972

1............
2............
3............
4............
5............
6............
7............
8............
9............
10............
11............
12............
13............
14............
15............
16............
17............
18............
19............
20............
21............
22............
23............
24............
25............
26............
27............
28............
29............
30............
31............
32............
33............
34............
35............
36............
37............
38............
39............
40............
41............
42............
43............
44............
45............
46............
47............
48............
49............
50............
51............
52............

YEAR 1973

1............
2............
3............
4............
5............
6............
7............
8............
9............
10............
11............
12............
13............
14............
15............
16............
17............
18............
19............
20............
21............
22............
23............
24............
25............
26............
27............
28............
29............
30............
31............
32............
33............
34............

PREFACE

Lights and other marine aids to navigation maintained by or under authority of the United States Coast Guard on the Pacific Coast of the United States and Pacific Islands are listed in one volume. For the convenience of mariners, there are also included the lighted aids, fog signals and radiobeacons maintained by British Columbia which may be used by vessels proceeding directly from the United States to Alaska.

This list published annually is intended to furnish more complete information concerning aids to navigation than can be conveniently shown on charts. It is not intended to be used in navigation in the place of charts and coast pilots and should not be so used. The charts should be consulted for the location of all aids to navigation. It may be dangerous to use aids to navigation without reference to charts.

The list is corrected to date of publication shown on the title page. Changes made in aids to navigation during the year are published in Notices to Mariners. Important changes in aids are also broadcast by the United States Coast Guard through Naval or Coast Guard radio stations and other means. The navigator should keep his light lists, as well as his charts and other nautical publications, corrected from these notices and should consult all notices issued after the date of publication of the lists.

Recommendations concerning changes or improvements in aids to navigation, or reports of aids no longer needed, should be mailed to the address of the Commander of the Coast Guard district in which the aids are located.

Mariners and others are requested to bring to the attention of the Commandant (OAN-4), United States Coast Guard, Washington, D.C. 20590, any apparent errors or omissions in these lists.

The 1972 Edition supersedes the 1971 Edition and is corrected through Local Notice to Mariners issued by the 11th, 12th, 13th, 14th and 17th U. S. Coast Guard District Commanders through November 3, 1971, and Notice to Mariners No. 48 of December 4, 1971, published weekly by the U. S. Naval Oceanographic Office.

COAST GUARD DISTRICTS AND ADDRESSES OF DISTRICT COMMANDERS

NO.	*ADDRESS*	*WATERS OF JURISDICTION*
FIRST	J. F. Kennedy Federal Building, Government Center, Boston, Mass., 02203 PHONE: 617-223-3632.	Maine, New Hampshire, Massachusetts, and Rhode Island to Watch Hill.
SECOND	Federal Bldg., 1520 Market Street, St. Louis, Mo. 63103 PHONE: 314-622-4600.	Mississippi River System, except that portion of the Mississippi River south of Baton Rouge, Louisiana, and the Illinois River north of Joliet, Illinois.
THIRD	Governors Island, New York, N. Y. 10004 PHONE: DAY – 212 264 8739 PHONE: NIGHT – 212 264 4800	Rhode Island from Watch Hill, Connecticut, New York, New Jersey, Pennsylvania, and Delaware, not including the Chesapeake and Delaware, Canal.
FIFTH	Federal Building, 431 Crawford Street, Portsmouth, Virginia, 23705 PHONE: 703-393-9611.	Maryland, Virginia, North Carolina, District of Columbia, and the Chesapeake and Delaware Canal.
SEVENTH	51 Southwest First Avenue, Miami, Florida. 33130. PHONE: 305-350-5621.	South Carolina, Georgia, Florida to 83°50′ W, and Puerto Rico and adjacent islands of the United States.
	Commander, Greater Antilles Section, U. S. Coast Guard, San Juan, Puerto Rico. 00903 PHONE: 722-2174.	Immediate jurisdiction of waters of Puerto Rico and adjacent islands of the United States.
EIGHTH	Room 328, Customhouse, New Orleans, La. 70130. PHONE: 504–527–6234.	Florida from 83°50′ W., thence westward, Alabama, Mississippi, Louisiana, and Texas.
NINTH	New Federal Office Building, 1240 East 9th Cleveland, Ohio. 44199. PHONE: 216-522-3131.	Great Lakes and St. Lawrence River above St. Regis River.
ELEVENTH	Heartwell Building, 19 Pine Avenue, Long Beach, Calif. 90802. PHONE: 213-590-2311.	California, south of latitude 34°58′ N.
TWELFTH	630 Sansome St., San Francisco, Calif. 94126 PHONE: 415-556-2560.	California, north of latitude 34°58′ N.
THIRTEENTH	618 Second Avenue, Seattle, Wash. 98104. PHONE: 206-624-2902.	Oregon, Washington, and Idaho.
FOURTEENTH	677 Ala Moana Blvd., Honolulu, Hawaii. 96813 PHONE: 808-546-7180.	Hawaii and the Pacific Islands belonging to the United States west of longitude 140° W. and south of latitude 42° N.
SEVENTEENTH	P. O. Box 3-5000, Juneau, Alaska. 99801. PHONE: 907-586-2680.	Alaska.

CONTENTS

GENERAL INFORMATION:

Page

Introduction VI
Cautionary Notes XII
Radiobeacons .... XVIII, XXI–XXIII
Loran Systems .... XIX, XXIV–XXVIII

SEACOAST

L. L. Number

California 1
Oregon 73
Washington 95
British Columbia 109
Alaska 153

BAYS, RIVERS & HARBORS

San Diego Bay 300
San Pedro Bay 404.55
San Francisco Bay 624
Columbia River 1381
Graves Harbor 2141
Strait of Juan De Fuca 2219
Strait of Georgia 2523
Tongass Narrows 2942.70
Prince William Sound 3345

ISLANDS

Hawaiian 3620
Midway 3771
Johnston 3790
Phoenix .... (before) 3800
Samoa 3800
Marshall 3811.05
East Caroline 3835
Guam 3837
West Caroline 3855
Okinawa 3857
Philippine 3891

INDEX .... Rear

LIGHT LIST – PACIFIC COAST AND PACIFIC ISLANDS

INTRODUCTION

GENERAL

Aids to navigation on the Pacific Coast are listed in one volume which includes the Eleventh, Twelfth, Thirteenth, Fourteenth and Seventeenth Coast Guard Districts.

Arrangement. Aids to navigation are arranged in geographic order from south to north along the coast of the continent, south to north and east to west in Alaska, and east to west for the Pacific islands. Seacoast aids are listed first followed by entrance and harbor aids listed from seaward to the head of navigation.

Names of aids are printed as follows:

PRIMARY SEACOAST LIGHTS AND LIGHTSHIPS
Secondary Lights.
Radiobeacons
Unlighted Fixed Aids and Unlighted Buoys.
RIVER, HARBOR, AND OTHER LIGHTS.
Lighted Buoys.

Where the name of an aid includes the immediate geographic heading under which it is listed, a dash (—) is used to indicate the geographic heading, which is part of the official name. In reporting defects or making reference to such aids in correspondence, the full name of the aid (including the geographic heading) and its listing number, if any, should be given.

For the convenience of mariners, important aids serving as seacoast and harbor entrance aids are repeated in the lists under the respective headings. Such aids are given two numbers in arabic numerals in column (1) to indicate they are listed twice and thus facilitate corrections to both listings from Notice to Mariners.

International numbers assigned certain aids to navigation. Numbers shown in *Italics* in column (1) are international numbers assigned by agreement of member nations of the International Hydrographic Bureau.

Character of lights. To avoid confusion, lights are given distinct characteristics; these are indicated by abbreviations as shown on page IX.

Period of a flashing or occulting light is the time required to go through the full set of changes.

Heights are referred to mean high water.

Depths are referred to plane of reference on charts.

Bearings are in degrees true, reading clockwise from 000° to 360°. The azimuth of a range line is given in degrees and minutes when same has been determined with sufficient accuracy for compass error determination, otherwise it is given to the nearest degree.

Distances are in nautical miles unless otherwise stated.

Latitudes and Longitudes are approximate, (to the nearest tenth of a minute) and are only intended to facilitate reference to a chart.

Chart references. The largest scale National Ocean Survey (Coast and Geodetic Survey) Chart(s) covering all the aids listed under the various geographic headings is shown in column (2) of the lists for reference purposes. Where Naval Oceanographic Office charts are concerned, the letters "NO" precede the Chart numbers.

Nominal Range. Nominal range is the maximum distance at which a light may be seen in clear weather (meteorological visibility of 10 nautical miles--see International Visibility Code) expressed in nautical miles. Nominal range is listed only for lights having a computed nominal range of 5 nautical miles or more.

Luminous Range. Luminous range is the maximum distance at which a light may be seen under the existing visibility conditions. By use of the diagram on page X, luminous range may be determined from the known nominal range, or the intensity, and the existing visibility conditions.

Note.– The above ranges takes no account of elevation, observer's height of eye, or the curvature of the earth.

Geographic Range. Geographic range is the maximum distance at which a light may be seen under conditions of perfect visibility, limited only by the curvature of the earth; and is expressed in nautical miles for a height of observer's eye at 15 feet above sea level, without regards to the candlepower. Only geographic ranges are listed for Canadian lights which are obtained from the Canadian Light List and Notice to Mariners.

The table following gives the approximate geographic range of visibility for an object which may be seen by an observer whose eye is at sea level; in practice, therefore, it is necessary to add to these a distance of visibility corresponding to the height of the observer's eye above sea level.

Distances of visibility for objects of various elevations above sea level

Height (feet)	Distance (nautical miles)	Height (feet)	Distance (nautical miles)	Height (feet)	Distance (nautical miles)
5	2.6	70	9.6	250	18.1
10	3.6	75	9.9	300	19.8
15	4.4	80	10.2	350	21.4
20	5.1	85	10.5	400	22.9
25	5.7	90	10.8	450	24.2
30	6.3	95	11.1	500	25.6
35	6.8	100	11.4	550	26.8
40	7.2	110	12.0	600	28.0
45	7.7	120	12.5	650	29.1
50	8.1	130	13.0	700	30.2
55	8.5	140	13.5	800	32.3
60	8.9	150	14.0	900	34.3
65	9.2	200	16.2	1,000	36.1

Intensity (Candlepowers) given for lights are approximate and are the equivalent fixed intensity values (calculated from the Blondel-Rey formulas) based on the International Standard Candela. When the intensity of a light varies, as in the case of a white light with a red sector, or a fixed light varied by flashes, the candlepower of both white and red, or fixed light and flash, is given. From the stated candlepowers the mariner may judge of the relative brilliancy and power of the various lights.

Light sectors. The arcs of visibility or obscured sectors of lights are given in degrees in a clockwise direction, as observed from a vessel, toward the light.

Aids to navigation privately maintained. Aids listed as "Private Aids" are privately owned and maintained which are authorized by the Commandant, United States Coast Guard for specific reasons. Although they are periodically inspected by the Coast Guard, the mariner should exercise special discretion when using them for general navigation.

Abbreviations used in the lists are: *See also page IX.*

bl = blast
C. = Canadian
cp = candlepower
ec = eclipse
ev = every
fl = flash
FS = fog signal
G = green
gp = group

kHz = kilohertz
lt = light
RBN = radiobeacon
R = red
Ra ref. = Radar reflector
s = seconds
si = silent
W = white

DESCRIPTION OF COLUMNS

Column (1): Contains the number of each lighted aid.

Column (2): Name and characteristic.

Column (3): General description of location, depths are referred to plane of reference on charts. The letter "C" indicates that the aid is maintained by Canada.

Column (4): Nominal range in nautical miles and candlepower.

Column (5): Geographic range in nautical miles with observer's eye at 15 feet above water.

Column (6): Description of structure and daymark, *(See page VII).* Color and type of buoys. Height of top of light above ground in feet. Height of focal plane of light above mean high water in feet.

Column (7): General remarks, Radiobeacon, characteristic of fog signals and emergency lights, sectors, arc of visibility and radar reflectors, year established, moved or rebuilt.

STANDARD DESIGNATION AND DESCRIPTION OF DAYMARKS

In order to completely describe the dimensions, shape or purpose, nd color of each type of daymark a standard designation has been ssigned. From this designation a standard description of each type aymark has been formulated.

Designations:

. First letter – Shape or purpose

S – Square
T – Triangle
J – Junction
M – Mid – channel
N – No lateral significance
P – Pointer
K – Range
C – Crossing

. Second letter – Major color

B – Black
W – White
R – Red

3. Third letter (range daymarks only) – Color of stripe

. Additional information required after a dash (—)

— I Intracoastal Waterway
— SY Yellow square on daymark (dual purpose)
— TY Yellow triangle on daymark (dual purpose)

EXAMPLE: The designation KRW — I indicates a range daymark (K), major color red (R), color of stripe white (W), in the Intracoastal Waterway series (I).

Descriptions:

SW	Square shaped white daymark with a green reflective border.
SW–I	Square shaped white daymark with a yellow reflective border.
SB	Square shaped black daymark with a green reflective border.
SB–I	Square shaped black daymark with a yellow reflective border.
SB–SY	Square shaped black daymark with a green reflective border and a square shaped yellow reflector.
SB–TY	Square shaped black daymark with a green reflective border and a triangular shaped yellow reflector.
TR	Triangular shaped red daymark with a red reflective border.
TR–I	Triangular shaped red daymark with a yellow reflective border.
TR–SY	Triangular shaped red daymark with a red reflective border and a square shaped yellow reflector.
TR–TY	Triangular shaped red daymark with a red reflective border and a triangular shaped yellow reflector.
JB	Square shaped daymark bearing horizontal bands of black and red, black band topmost, and with a green reflective border.
JB–I	Square shaped daymark bearing horizontal bands of black and red, black band topmost, and with a yellow reflective border.
JB–SY	Square shaped daymark bearing horizontal bands of black and red, black band topmost, and with a green reflective border and a square shaped yellow reflector.
JB–TY	Square shaped daymark bearing horizontal bands of black and red, black band topmost, and with a green reflective border and a triangular shaped yellow reflector.
JR	Triangular shaped daymark bearing horizontal bands of red and black, red band topmost, and with a red reflective border.
JR–I	Triangular shaped daymark bearing horizontal bands of red and black, red band topmost, and with a yellow reflective border.
JR–SY	Triangular shaped daymark bearing horizontal bands of red and black, red band topmost, and with a red reflective border and a square shaped yellow reflector.
JR–TY	Triangular shaped daymark bearing horizontal bands of red and black, red band topmost, and with a red reflective border and a triangular shaped yellow reflector.
MB	Octagonal shaped black and white vertically striped daymark with a white reflective border.
MB–I	Octagonal shaped black and white vertically striped daymark with a yellow reflective border.
NB	Diamond shaped daymark divided intp four diamond shapes which are colored so that the horizontal diamonds are white and the vertical diamonds are black and with a white reflective border.
NB–I	Diamond shaped daymark divided into four diamond shapes which are colored so that the horizontal diamonds are white and the vertical diamonds are black and with a yellow reflective border.
NR	Diamond shaped daymark divided into four diamond shapes which are colored so that the horizontal diamonds are white and the vertical diamonds are red and with a white reflective border.
NR–I	Diamond shaped daymark divided into four diamond shapes which are colored so that the horizontal diamonds are white and the vertical diamonds are red and with a yellow reflective border.
NW	Diamond shaped white daymark with an orange reflective border and, in the center of the daymark, the words "Danger, Submerged Jetty" (or other appropriate words describing the nature of the danger).
PB	Black pointer with a green reflector.
PB–I	Black pointer with green reflector and a yellow stripe.
PR	Red pointer with a red reflector.
PR–I	Red pointer with red reflector and a yellow stripe.
KBW	Vertical rectangular shaped black daymark with a central white stripe.
KBW–I	Vertical rectangular shaped black daymark with a central white stripe and a yellow border.
KBR	Vertical rectangular shaped black daymark with a central red stripe.
KBR–I	Vertical rectangular shaped black daymark with a central red stripe and a yellow border.
KWB	Vertical rectangular shaped white daymark with a central black stripe.
KWB–I	Vertical rectangular shaped white daymark with a central black stripe and a yellow border.
KWR	Vertical rectangular shaped white daymark with a central red stripe.
KWR–I	Vertical rectangular shaped white daymark with a central red stripe and a yellow border.
KRB	Vertical rectangular shaped red daymark with a central black stripe.
KRB–I	Vertical rectangular shaped red daymark with a central black stripe and a yellow border.
KRW	Vertical rectangular shaped red daymark with a central white stripe.
KRW–I	Vertical rectangular shaped red daymark with a central white stripe and a yellow border.
CW	Diamond shaped white daymark with small diamond shaped green reflectors at each corner.
CR	Diamond shaped red daymark with small diamond shaped red reflectors at each corner.

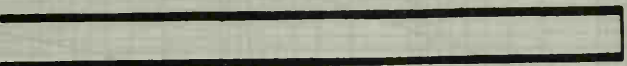
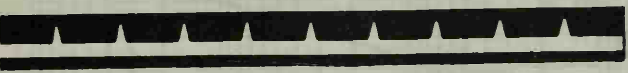
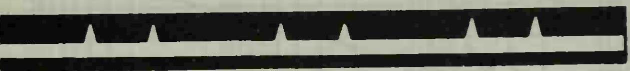
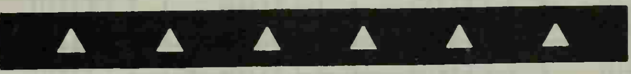
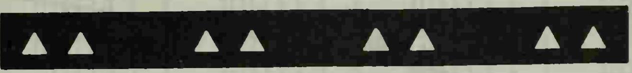
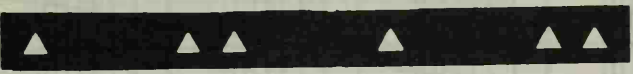
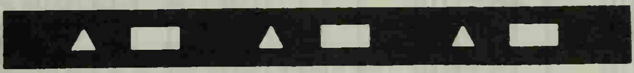
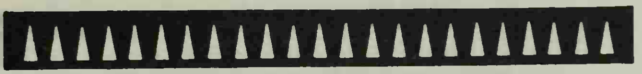
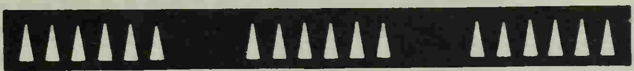
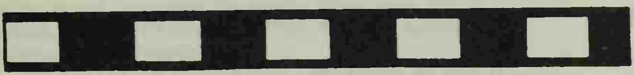
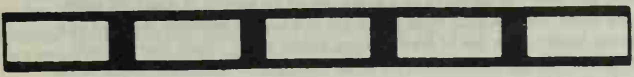
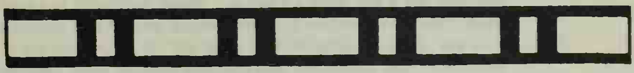
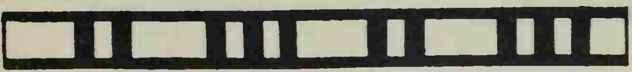
These abbreviated descriptions are used in column six and may also be found on the illustrations of aids to navigation in back of book.

METEOROLOGICAL OPTICAL RANGE

Code No.	Weather	Yards
0	Dense fog	Less than 50
1	Thick fog	50–200
2	Moderate fog	200–500
3	Light fog	500–1000
		Nautical Miles
4	Thin fog	½–1
5	Hazel	1–2
6	Light haze	2–5½
7	Clear	5½–11
8	Very clear	11.0–27.0
9	Exceptionally clear	Over 27.0

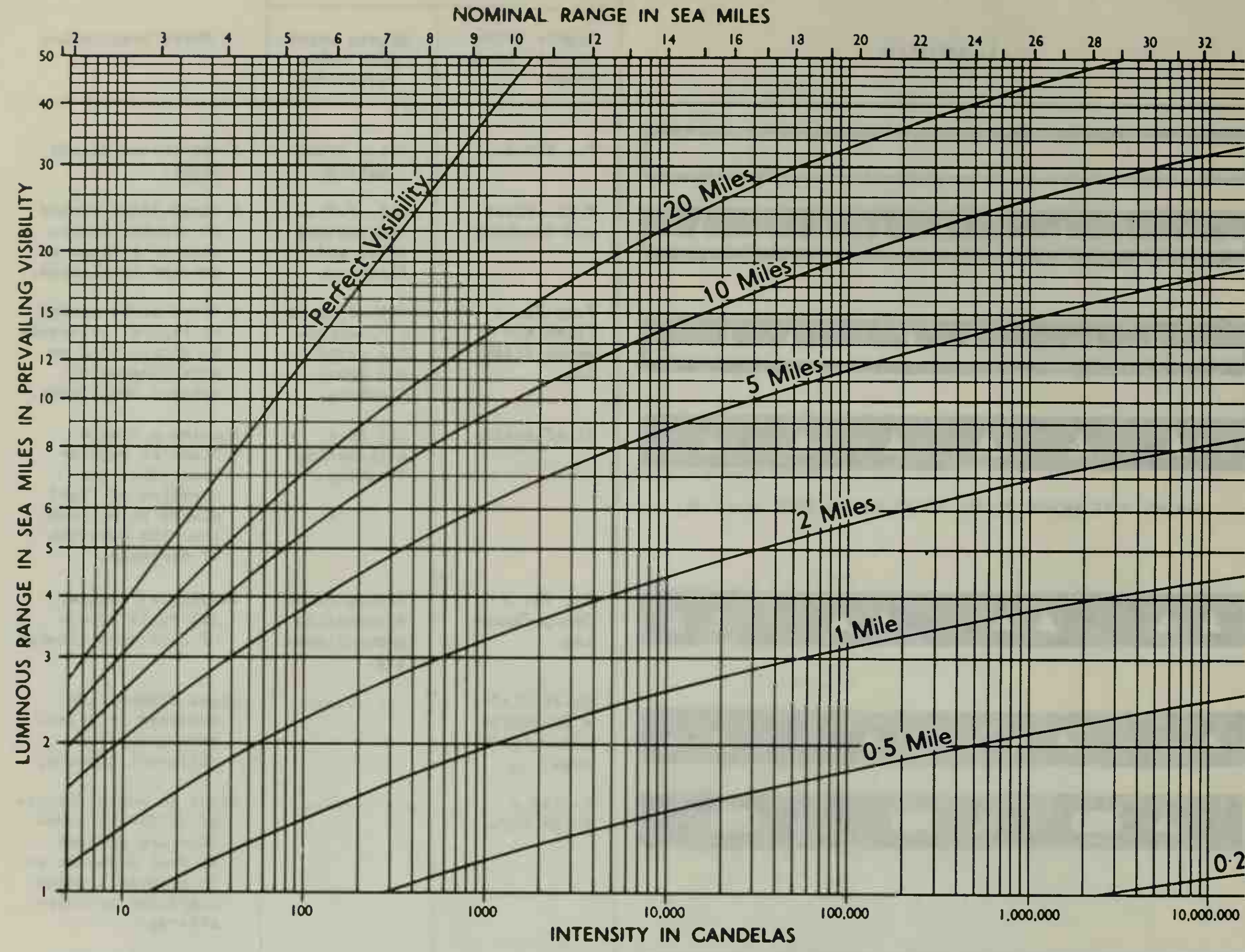
From the International Visibility Code

CHARACTERISTIC LIGHT PHASES

Illustration	Symbols and meaning		Phase description
	Lights which do not change color	Lights which show color variations	
	F.= Fixed...	Alt.= Alternating.	A continuous steady light.
	F.Fl.=Fixed and flashing	Alt. F.Fl.= Alternating fixed and flashing.	A fixed light varied at regular intervals by a flash of greater brilliance.
	F.Gp.Fl. = Fixed and group flashing.	Alt. F.Gp.Fl = Alternating fixed and group flashing.	A fixed light varied at regular intervals by groups of 2 or more flashes of greater brilliance.
 SHOWS NOT MORE THAN 30 FLASHES PER MINUTE	Fl.=Flashing	Alt.Fl.= Alternating flashing.	Showing a single flash at regular intervals, the duration of light always being less than the duration of darkness.
	Gp. Fl. = Group flashing.	Alt.Gp.Fl.= Alternating group flashing.	Showing at regular intervals groups of 2 or more flashes
	Gp.Fl.(1+2) = Composite group flashing.	....	Light flashes are combined in alternate groups of different numbers.
	Mo.(A) = Morse Code.	....	Light in which flashes of different duration are grouped in such a manner as to produce a Morse character or characters.
	Qk. Fl. = Quick Flashing.	....	Shows not less than 60 flashes per minute.
	I.Qk. Fl. = Interrupted quick flashing.	....	Shows quick flashes for about 5 seconds, followed by a dark period of about 5 seconds.
	E.Int.= Equal interval. *(Isophase)*	....	Light with all durations of light and darkness equal.
	Occ.=Occulting.	Alt.Occ. = Alternating occulting.	A light totally eclipsed at regular intervals, the duration of light always greater than the duration of darkness
	Gp. Occ. = Group Occulting.	.. ..	A light with a group of 2 or more eclipses at regular intervals
	Gp.Occ.(2+3) = Composite group occulting.	....	A light in which the occultations are combined in alternate groups of different numbers.

Light colors used and abbreviations: W=white, R=red, G=green.

LUMINOUS RANGE DIAGRAM



Luminous Range Diagram. — This diagram enables the mariner to determine the approximate range at which a light may be sighted, at night, in the meteorological visibility prevailing at the time of observation.

The diagram can be entered either from the top border, using the nominal range listed in the body of the book, in column 4; or from the bottom border, using the intensity, from column 4. Where both nominal range and intensity are listed more consistent results will be obtained by entering the diagram with intensity as argument because of the various visibility factors in use.

The figures along the curves represent the estimated meteorological visibility at the time of observation, and those along the lefthand border the luminous range under those conditions.

Example: A light of an intensity of 100,000 candelas has a nominal range of 20 miles. When the meteorological visibility is 20 miles the light would be sighted at about 33 miles, given a sufficient elevation and height of eye; and when the visibility is 2 miles, would be sighted at about 5½ miles.

Since the scale along the top border is based on a meteorological visibility of 10 sea miles, the luminous range under the prevailing conditions obtained from the 10-mile curve will be identical to that with which the diagram is entered from the top border. If a line is drawn joining points where values from the lefthand border intersect equal values on the curves, it will be seen to be parallel with and to the right of the curve for perfect visibility. Luminous ranges in the conditions prevailing at the time of observation obtained from intersections to the left of this line will be less than the estimated meteorological visibility, while those to the right will be greater. Due to their intensity, many lights will therefore be sighted at a greater distance than that of the estimated meteorological visibility.

The diagram can also be used to obtain an approximate meteorological visibility; when, for example, a light of an intensity of 100,000 candelas is sighted at 12 miles, the meteorological visibility will be about 5 miles.

CAUTION. —*When using this diagram it must be remembered that:*

1. *The ranges obtained are approximate*
2. *The transparency of the atmosphere is not consistent between the observer and the light.*
3. *Glare from background lighting will reduce considerably the range at which lights are sighted.*

NOTICES TO MARINERS

Purpose. By means of Notices to Mariners, the Coast Guard disseminates information concerning establishments, changes and discontinuances of aids to navigation in the United States, its territories and possessions. Reports of channel conditions, obstructions, menaces to navigation, danger areas, etc., are also included in Notices to Mariners. These notices are essential to all navigators for the purpose of keeping lists of lights and other marine aids, nautical charts Coast Pilots and other nautical publications currently corrected.

Local Notices to Mariners are issued by each District Commander. They include changes and deficiencies in aids to navigation within the area of each Coast Guard district. These notices are published as required, usually weekly. If only local information is required, the notices issued by the various District Commanders will serve the needs of local navigators. They may be obtained, free of charge, by making request to the approximate District Commander.

Weekly Notice to Mariners (Worldwide coverage) are prepared jointly by the U. S. Naval Oceanographic Office, the National Ocean Survey and the U. S. Coast Guard and published weekly by the U. S. Naval Oceanographic Office. They include changes in aids to navigation on assembled form for the 1st, 3rd, 5th, 7th 8th, 11th, 12th, 13th, 14th, and 17th Coast Guard Districts and the Greater Antilles Sections. Foreign marine information is also included in these notices. These notices are intended for mariners and others who have a definite need for them in connection with extended seagoing activities or those operating in several Coast Guard Districts. These notices may be obtained, free of charge, by making request to the Commander, U. S, Oceanographic Office, Washington, D. C. 20390.

Weekly Notices to Mariners (Great Lakes Edition) are published weekly by the Commander, 9th Coast Guard District. These notices may be obtained, free of charge, by making request to Commander, 9th Coast Guard District, Federal Office Building, 1240 East 9th St., Cleveland, Ohio. 44199.

Marine broadcast Notices to Mariners are made by the Coast Guard through Coast Guard, Navy and some commercial radio stations to report deficiencies and changes in aids to navigation of importance. Radio stations broadcasting marine information are listed in "Radio Navigational Aids (NO—117 A and B)" published by the U. S. Naval Oceanographic Office.

Temporary deficiencies in aids to navigation are not published in Weekly Notices to Mariners when it is known that the defects will be corrected promptly.

Change of address. Persons receiving Notices to Mariners are requested to notify the appropriate agency of any change in address, or when Notices to Mariners are no longer required. Both new and old addresses should be given in case of change of address.

Obtaining single copies of Notices to Mariners. Single copies of Notices to Mariners may be obtained or consulted at the offices of the District Commanders, the National Ocean Survey District Offices, the Branch Oceanographic Offices, or other agencies distributing marine information.

EXCERPTS FROM REGULATIONS PERTAINING TO AIDS TO NAVIGATION MAINTAINED BY OR UNDER AUTHORITY OF THE UNITED STATES COAST GUARD (REFERENCE: 33CFR, SUBCHAPTER C AND PART 80 OF SUBCHAPTER D)

Marking of wrecks. When a vessel, raft, or other craft is wrecked and sunk, accidentally or otherwise, in the navigable waters of the United States, the owner thereof has a non-delegable statutory duty to mark immediately such sunken wreck with a buoy or daymark during the day and a lighted lantern at night, and to maintain these required markings until the sunken craft is removed or abandoned, or abandonment is otherwise determined by the Corps of Engineers. Such markings shall conform to the lateral system of buoyage characteristics: *Provided*, That until the owner has the opportunity to establish such standard markings he shall maintain the most suitable markings available under the circumstances which will warn the navigator of the sunken wreck.

The owner, agent, master, or person in charge of such vessel shall notify the nearest United States Coast Guard Marine Inspection Office of the casualty as soon as possible, and in addition, shall advise of the action he is taking to establish proper markings, giving the following information: (*a*) Name and description of sunken wreck; (*b*) Accurate location of wreck; (*c*) Depth of water over wreck; (*d*) Location and type of marking established, including color and shape of daymark or buoy, and color and characteristic of light.

Private aids to navigation. No person, public body, or instrumentality not under the control of the Commandant, exclusive of the Armed Forces, shall establish, erect, or maintain in the navigable waters of the United States any aid to maritime navigation, without first obtaining permission to do so from the Commandant, nor shall any person, public body, or instrumentality, change, move, or discontinue any private aid to navigation so authorized without first obtaining permission to do so from the Commandant.

Lighting of bridges. All persons owning, occupying, or operating bridges over the navigable waters of the United States shall maintain at their own expense such lights and other signals required for the safety of marine navigation as may be prescribed by the Commandant, U. S. Coast Guard and, on any international bridge constructed after March 23, 1906, such additional signals as may be prescribed by the Commandant, U. S. Coast Guard.

Marking of structures. Any structure, including mooring plants or buoys, in or over the navigable waters of the United States shall display the lights and other signals for the protection of maritime navigation as may be prescribed by the Commandant of the Coast Guard. Any owner, or operator, of a structure excluding an agency of the United States, who violates any of the rules and regulations prescribed hereunder, commits a misdemeanor and shall be punished, upon conviction thereof, by a fine of not exceeding $100 for each day during which such violation continues. The prescribed lights and signals shall be installed, maintained, and operated by and at the expense of the owner, or, operator, who shall, after obtaining a Corps of Engineers' permit authorizing construction of the structure, apply to the District Commander having jurisdiction over the waters in which the work will be executed for determination of the lights and other signals to be displayed. Regulations describing the lights or other signals required to mark any work or obstruction, may or may not be published. If no regulation exists, each case shall be considered individually by the District Commander who will prescribe such lights and signals as he may consider necessary for the safety of navigation. The characteristics of lights and signals shall comply as nearly as possible to the United States lateral system of buoyage.

Interference with aids to navigation. No person, excluding the armed forces, shall obstruct or interfere with any aid to navigation established and maintained by or under the authority of the Coast Guard.

Collision with or damage to aids to navigation. No person shall take possession of or make use of for any purpose, or build upon, alter, deface, destroy, move, injure, obstruct by fastening vessels thereto or otherwise, or in any manner whatever impair the usefulness of any aid to navigation established and maintained by the United States.

Whenever any vessel collides with an aid to navigation established and maintained by the United States or any private aid to navigation or is connected with any such collision, it shall be the duty of the person in charge of such vessel to report the accident to the nearest Officer in Charge, Marine Inspection, United States Coast Guard.

Warning signals for Coast Guard vessels while handling or servicing aids to navigation:

Inland waters (Inland Rules):

DAY—Two orange and white vertically striped balls in a vertical line not less than 3 feet nor more than 6 feet apart displayed from the yardarm.

NIGHT—Two red lights in a vertical line not less than 3 feet nor more than 6 feet apart.

Vessels, with or without tows, passing Coast Guard vessels displaying this signal, shall reduce their speed sufficiently to insure the safety of both vessels, and when passing within 200 feet of the Coast Guard vessel displaying this signal, their speed shall not exceed 5 miles per hour.

High seas (International Rules):

DAY—Three shapes not less than 2 feet in width in a vertical line not less than 6 feet apart, the highest and lowest being red globular shapes and the middle being a white diamond shape.

NIGHT—Three lights in a vertical line not less than 6 feet apart, the highest and lowest being red and the middle being white in color.

OTHER LIGHT LISTS PUBLISHED BY COAST GUARD

VOLUME I ATLANTIC COAST, describing aids to navigation in the United States waters from St. Croix River, Maine to Little River, South Carolina.

VOLUME II ATLANTIC AND GULF COAST, describing aids to navigation in the United States waters from Little River, South Carolina to Rio Grande River, Texas and the Greater Antilles.

VOLUME IV GREAT LAKES, describing aids to navigation maintained by the United States Coast Guard, and the lighted aids maintained by Canada, on the Great Lakes and the St. Lawrence River, above St. Regis River.

VOLUME V MISSISSIPPI RIVER SYSTEM, describing aids to navigation on the Mississippi and Ohio Rivers and navigable tributaries.

All Coast Guard light lists are for sale by the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. and by sales agencies as listed in the Weekly Notices to Mariners.

Charts, Coast Pilots, Tide Tables, and Current Tables of the coasts covered by Coast Guard Light Lists of the Atlantic, Gulf and Pacific Coasts and the Great Lakes are published by the National Ocean Survey, Washington Science Center, Rockville, Md. 20852 and are for sale by that Agency and by sales agencies as listed in the Weekly Notices to Mariners. Maps and related publications for the Mississippi River System covered by the Mississippi and Ohio Rivers Light List are published by the various District Engineers, United States Army, located in the area.

CAUTIONARY NOTES CONCERNING AIDS TO NAVIGATION

REPORTING DEFECTS IN AIDS TO NAVIGATION

Experienced mariners realize that the Coast Guard cannot keep the thousands of aids to navigation comprising the federal system under simultaneous and continuous observation and that, for this reason, it is impossible to maintain every buoy, daybeacon, light, fog signal and other aid operating properly and on its charted position at all times. Therefore, the safety of the mariner and that of all persons embarked or serving in vessels will be enhanced if every person who discovers an aid to be missing, sunk, capsized, or damaged, or who observes a defect in the position or characteristic of any aid, will promptly notify the nearest Coast Guard District Commander of the fact. **Radio messages should be prefixed "Coast Guard"** and transmitted directly to one of the United States Government shore radio stations listed under "Activity" in Section 400B of Radio Navigational Aids NO– 117 for relay to the Coast Guard District Commander. If the radio call sign of the nearest United States Government radio shore station is not known, radio-telegraph communication may be established by the use of the general call "NCG" on the frequency of 500 kilohertz. Merchant ships may send messages relating to defects noted in aids to navigation through commercial facilities only when they are unable to contact a United States Government shore radio station. Charges for these messages will be accepted "collect" by the Coast Guard.

Suggestions for improvement in the system of aids should be submitted by mail to the Commandant, U. S. Coast Guard, Washington, D.C. 20590.

Some of the deficiencies, derangements, and phenomena that occasionally occur and which are potential sources of danger to the mariner, and certain situations and conditions which require particular caution on his part, are discussed in the following paragraphs.

LIGHTS

The condition of the atmosphere has a considerable effect upon the distance at which lights can be seen. Sometimes lights are obscured by fog, haze, dust, smoke, or precipitation which may be present at the light, or between it and the observer, but not at the observer, and possibly unknown to him. On the other hand, refraction may often cause a light to be seen farther than under ordinary circumstances. A light of low intensity will be easily obscured by unfavorable conditions of the atmosphere and little dependence can be placed on its being seen. For this reason, the intensity of a light should always be considered when expecting to sight it in thick weather. Haze and distance may reduce the apparent duration of the flash of a flashing light. In some conditions of the atmosphere white lights may have a reddish hue. Colored lights are more quickly lost to sight under weather conditions which tend to reduce visibility than are white lights.

It should be remembered that lights placed at great elevations are more frequently obscured by clouds, mist, and fog than those near sea level.

In regions where ice conditions prevail in the winter, the lantern panes of unattended lights may become covered with ice or snow, which will greatly reduce the visibility of the lights and may also cause colored lights to appear white.

The increasing use of brilliant shore lights for advertising, illuminating bridges, and other purposes, may cause marine navigational lights, particularly those in densely inhabited areas, to be outshone and difficult to distinguish from the background lighting. Mariners are requested to report such cases as outlined above in order that steps may be taken to improve the conditions.

The "loom" of a powerful light is often seen beyond the limit of visibility of the actual rays of the light. The loom may sometimes appear sufficiently sharp to obtain a bearing.

At short distances, flashing lights may show a faint continuous light between flashes.

It should be borne in mind that, when attempting to sight a light at night, the range of vision is considerably increased from aloft. By noting a star immediately over the light an accurate compass bearing may be indirectly obtained on the light from the navigating bridge although the light is not yet visible from that level.

The distance of an observer from a light cannot be estimated by its apparent intensity. Always check the characteristics of lights in order that powerful lights visible in the distance shall not be mistaken for nearby lights showing similar characteristics at low intensity (such as those on lighted buoys).

If lights are not sighted within a reasonable time after prediction, a dangerous situation may exist requiring prompt resolution or action to insure the safety of the vessel.

The apparent characteristic of a complex light may change with the distance of the observer. For example, a light which actually displays a characteristic of fixed white varied by flashes of alternating white and red (the phases having a decreasing range of visibility in the order: flashing white, flashing red, fixed white) may, when first sighted in clear weather, show as a simple flashing white light. As the vessel draws nearer, the red flash will become visible and the characteristic will apparently be alternating flashing white and red. Later, the fixed white light will be seen between the flashes and the true characteristic of the light finally recognized - fixed white, alternating flashing white and red (F. W. Alt. Fl. W. and R.).

There is always the possibility of a light being extinguished. In the case of unattended lights, this condition might not be immediately detected and corrected. The mariner should immediately report this condition. During periods of armed conflict, certain lights may be deliberately extinguished without notice if the situation warrants such action.

Emergency lights. Emergency lights of reduced candlepower are displayed from many major light stations when the main and standby lights are inoperative; these emergency lights may or may not have the same characteristic as the main light. The characteristic of the emergency lights are listed in column (7) of this publication.

If a vessel has considerable vertical motion due to pitching in a heavy sea, a light sighted on the horizon may alternately appear and disappear. This may lead the unwary to assign a false characteristic and hence to err in its identification. The true characteristic will be evident after the distance has sufficiently decreased or it can be determined by increasing the height of eye of the observer.

Sectors of colored glass are placed in the lanterns of some lights to produce a system of light sectors of different colors. In general, red sectors are used to mark shoals or to warn the mariner of other obstructions to navigation or of nearby land. Such lights provide approximate bearing information since an observer may note the change of color as he crosses the boundary between sectors. These boundaries are indicated in the Light Lists and by broken lines on the charts. These bearings, as all bearings referring to lights, are given as true in degrees from 000° to 359° as observed from a vessel toward the light. Altering course on the changing sectors of a light or using the boundaries between light sectors to determine the bearing for any purpose is not recommended. Be guided instead by the correct compass bearing of the light and do not rely on being able to accurately observe the point at which the color changes. tor cannot be cut off sharply. On either side of the line of demarcation between white and red sectors, and also between white and This is often difficult to decide because the edges of a colored sec- green, there is always a small arc of uncertain color. Moreover, when haze or smoke are present in the intervening atmosphere, a white sector might have a reddish hue.

The area in which a light can be observed is normally a circle with the light as the center and the range of visibility as the radius. However, on some bearings the range may be reduced by obstructions. In such cases, the obstructed arc might differ with height of eye and distance. When a light is cut off by adjoining land and the arc of visibility is given, the bearing on which the light disappears may vary with the distance of the vessel from which observed and with the height of eye. When the light is cut off by a sloping hill or point of land, the light may be seen over a wider arc by a ship far off than by one close to.

Circles drawn on charts around a light are not intended to give information as to the distance at which it can be seen, but solely to indicate, in the case of lights which do not show equally in all directions, the bearings between which the variation of visibility or obscuration of the light occurs. Lights of equal candlepower but of different colors may be seen at different distances. This fact should be considered not only in predicting the distance at which a light can be seen, but also in identifying it.

At many lights rip-rap mounds are maintained to protect the structures against ice damage and scouring action. There have been collisions with the uncharted, submerged portions of such rip-rap by vessels attempting to pass the lights extremely close aboard.

FOG SIGNALS

Fog signals depend upon the transmission of sound through air. As aids to navigation, they have certain inherent defects that should be considered. Sound travels through the air in a variable and frequently unpredictable manner.

It has been clearly established that:

(a) Fog signals are heard at greatly varying distances and that the distance at which a fog signal can be heard may vary with the bearing of the signal and may be different on different occasions.

(b) Under certain conditions of atmosphere, when a fog signal has a combination high and low tone, it is not unusual for one of the tones to be inaudible. In the case of sirens, which produce a varying tone, portions of the blast may not be heard.

(c) There are occasionally areas close to the signal, in which it is wholly inaudible. This is particularly true when the fog signal is screened by intervening land or other obstruction, or on a high cliff.

(d) A fog may exist a short distance from a station and not be observable from it, so that the signal may not be in operation.

(e) Some fog signals cannot be started at a moment's notice.

(f) Even though a fog signal may not be heard from the deck or bridge of a ship when the engines are in motion, it may be heard when the ship is stopped, or from a quiet position. Sometimes it may be heard from aloft though not on deck.

(g) The intensity of the sound emitted by a fog signal may be greater at a distance than in the immediate proximity.

All these considerations point to the necessity for the utmost caution when navigating near land in a fog. Mariners are therefore warned that fog signals can never be implicitly relied upon, and that the practice of taking soundings of the depth of water should never be neglected. Particular attention should be given to placing lookouts in positions in which the noises in the ship are least likely to interfere with hearing a fog signal. **Fog signals are valuable as warnings but the mariner should not place implicit reliance upon them in navigating his vessel. They should be considered solely as warning devices.**

Emergency fog signals. Emergency fog signals are sounded at some of the light and fog signal stations when the main and stand-by fog signal is inoperative. Some of these emergency fog signals are of a different type and characteristic than the main fog signal. The characteristics of the emergency fog signals are listed in column (7) of this publication.

The mariner must not assume:

(a) That he is out of ordinary hearing distance because he fails to hear the fog signal.

(b) That, because he hears a fog signal faintly, he is at a great distance from it.

(c) That he is near to it because he hears the sound plainly.

(d) That the distance from and the intensity of the sound on any one occasion is a guide to him for any future occasion.

(e) That the fog signal is not sounding because he does not hear it, even when in close proximity.

LIGHTSHIPS

Courses should invariably be set to pass lightships with sufficient clearance to avoid the possibility of collision from any cause. Errors of observation, current and wind effects, other vessels in the vicinity, and defects in steering gear may be, and have been the causes of actual collisions, or imminent danger thereof, needlessly jeopardizing the safety of lightships and their crews, and that of all navigation dependent on these important aids to navigation. **Experience shows that lightships cannot be safely used as leading marks to be passed close aboard, but should always be left broad off the course, whenever searoom permits.**

When approaching a lightship or a station on a submarine site, on radio bearings, the risk of collision will be avoided by insuring that the radio bearing does not remain constant.

It should be borne in mind that most lightships are anchored to a very long scope of chain and, as a result, the radius of their swinging circle is considerable. The charted position is the location of the anchor. Furthermore, under certain condition of wind and current, they are subject to sudden and unexpected sheers which are certain to hazard a vessel attempting to pass close aboard.

During extremely heavy weather and due to their exposed locations, lightships may be carried off station without the knowledge and despite the best efforts of their crews. The mariner should, therefore, not implicitly rely on a lightship maintaining its precisely charted position during and immediately following severe storms. A lightship known to be off station will secure her light, fog signal, and radiobeacon and fly the International Code signal "LO" signifying "I am not in my correct position".

Station buoys are sometimes moored near lightships to mark the approximate station should the lightship be carried away or temporarily removed and to give the crews an indication of dragging. Since these buoys are always unlighted and, in some cases, moored as much as a mile from the lightship, the danger of a closely-passing vessel colliding with them is always present - particularly so during darkness or periods of reduced visibility.

BUOYS

It is imprudent for a navigator to rely on floating aids to navigation to always maintain their charted positions and to constantly and unerringly display their advertised characteristics. The obstacles to perfect performance are of such magnitude that complete reliability is manifestly impossible to achieve. Buoys are liable to be carried away, shifted, capsized, or sunk as the result of storms, ice conditions, collisions, or other accidents. Lighted buoys may become extinguished or their lighting apparatus broken or deranged causing them to show improper light colors or light phase characteristics. Practically all audible signals on buoys are operated by the action of the sea and may consequently be silent during periods of calm weather. They may fail to sound, regardless of wave activity, due to mechanical defects or damage to their sound-producing devices. Even if functioning properly, a sound buoy may not be heard at relatively close range due to the vagaries of sound in atmosphere as explained herein under "Fog Signals". Buoys that have been placed to mark shifting shoals may not always be properly located in relation to the obstructions they are meant to mark. This is particularly true during and immediately following heavy storms when the shoals are liable to shift their positions away from the buoys.

Buoys are moored to scopes of chain of various lengths, in some cases several times the depth of the water in which they are located. Like the LIGHTSHIP, the radius of swing should be taken into account.

The position of a buoy, as shown on the chart, actually represents the location of its sinker to which the mooring chain is shackled. The buoy, however, does not maintain position directly over its sinker. Being moored as they are, buoys have a tendency to yaw about under the influence of the wind and current. This action is most unpredictable and a vessel attempting to pass very close aboard always risks collision with a yawing buoy.

The idea seems to have developed among the more uninitiated that a wreck buoy always occupies a position directly over the wreck it is intended to mark. **This idea is entirely erroneous.** Buoys must be placed in position by a vessel. It is usually physically impossible for these vessels to maneuver directly over a wreck to place the sinker without incurring serious underwater damage to themselves. For this reason, a wreck buoy is usually placed on the seaward or channelward side of a wreck, the proximity thereto being governed by existing conditions. If necessary to reduce the possibility of confusion, more than one buoy is used per wreck in which case both may not be located on the seaward or channelward side of the wreck but the wreck will lie between them. Obviously, the mariner should not attempt to pass between buoys so placed.

Sunken wrecks are not always static. They are sometimes moved away from their buoys by severe sea conditions or other causes. The previously-mentioned precaution regarding shoals shifting away from buoys placed to mark them, also applies to sunken wrecks and wreck buoys.

All buoys should, therefore, be regarded as warnings or guides and not as infallible navigation marks; especially those located in exposed positions. Whenever possible, a ship should be navigated by bearings or angles on fixed objects on shore and by soundings, rather than by reliance on buoys.

Racing buoys. All privately maintained racing buoys are not listed in this publication. Information concerning these buoys may be obtained from the U. S. Coast Guard District Office.

RADIOBEACONS AND RADIO DIRECTION FINDERS

Accuracy of radio direction finders is dependent upon the skill of the operator, the equipment used, and radio wave interference. Skill in operations of a manual radio direction finder can be acquired only through practice and by following the operating instructions provided with the equipment. An understanding of adverse conditions and direction finding limitations will be an asset to the prudent navigator.

As an operator obtains bearings with a manually revolving loop type direction finder, he can estimate the bearing by the arc of silence (NULL) or minimum strength. Automatic direction finders do not afford this advantage. However, an experienced operator can evaluate the direction finder's performance by the ease and smoothness (lack of jitter) with which the indicator approaches a bearing.

Erroneous radio direction finder bearings may result from the following conditions:

(a) Currents induced in the direction finder antenna by re-radiation from the structural features of the vessel's superstructure and distortion of the radio wave front due to the physical dimensions and contour of the vessel's hull.

(b) Night effect caused by the combination of two radio wave fronts arriving at the receiver simultaneously. One wave travels directly from the transmitter to the direction finder and is called the ground wave. The other is a downcoming radio wave reflected off the ionosphere and is called the skywave. This effect is more predominant around the time of morning and evening twilight, but it remains throughout the night on the low frequency band. On higher frequencies a similar effect exists during the day as well as at night. Beyond the normal groundwave range, only the skywave is received.

Bearings taken around the periods of morning and evening twilight and at night should be treated or accepted with doubt as to their accuracy.

Since the skywave itself is complex in nature it should not be used with a conventional direction finder.

(c) Lateral deviation of the radio wave can occur when the great circle route between the transmitter and the receiver is roughly parallel to a coastline or passes over a coastline. Bearings that are within 10 to 15 degrees of a coastline should not be trusted. Likewise, bearings taken when a land mass is between the transmitter and the vessel should be used with caution.

(d) Most direction finders have a vertical sensing antenna to eliminate any possiblity of a 180 degree error in reading. Such an ambiguity is possible in all direction finders if the sensing circuits should become inoperative.

Conclusions: Correct direction finder calibration will compensate for errors caused by induced currents and vessel configuration. The usual method of calibration is to obtain a series of simultaneous radio and visual bearings on a transmitter. This may be done while a ship swings at anchor, or more quickly by steaming in a circle within sight of the transmitting antenna. It is essential that radio direction finders be accurately calibrated; therefore, recalibration should be made after any changes to the ship's structure or rigging or whenever there is reason to believe the previous calibration has become inaccurate. The direction finder should be calibrated by competent personnel.

Before taking bearings on a commercial station broadcasting entertainment programs, the mariner should consider:

(a) The operating frequency of the station may differ widely from frequency for which the direction finder is calibrated.

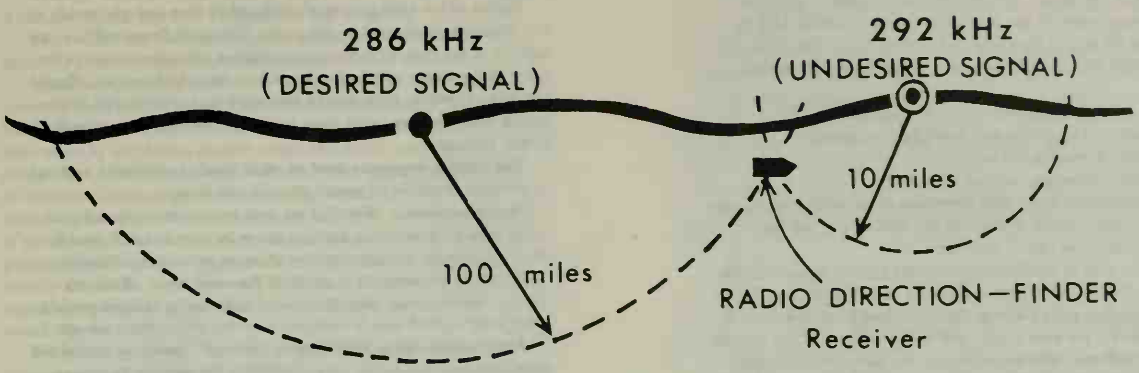
(b) The broadcast antenna may be remote from the broadcast station and,

(c) The majority of these stations are inland.

Accordingly, the use of broadcast stations to obtain a direction finder bearing is not recommended.

Due to the many factors which enter into the transmission and reception of radio signals, a ship cannot estimate with

DIRECTION FINDER DIAGRAM



any degree of accuracy its distrance from a radiobeacon by the strength of the received signals.

A vessel steering a course for a radiobeacon should observe the same precautions that apply when steering for a light or any other mark. If the radiobeacon is a lightship or off-shore platform, particular care should be exercised to avoid the possibility of collision. Sole reliance should never be placed on sighting the lightship or light station or listening for a fog signal in time to avoid a collision.

As a further aid to assure proper direction finder operation, the mariner should check, whenever possible, the accuracy of the direction finder against visual bearings. This will afford the operator practice and confidence in his equipment as well as an operational check of the direction finder itself.

All mariners using U. S. Coast Guard radiobeacon transmissions for navigation of their vessel must understand the limitations of the direction finding equipment and the possible erroneous bearings due to causes outside the control of the U. S. Coast Guard. In order to understand the limitations and capabilities of his direction finder, the mariner must understand the following definitions:

(a) **Sensitivity** is defined as a measure of the ability of a receiver to detect transmissions. All direction finder receivers do not have the same sensitivity; some will receive a radiobeacon signal at its rated range while others will not be able to hear the same signal until they are closer to the radiobeacon transmitter. For example, some direction finders have a sensitivity of 75 microvolts per meter on the radiobeacon band which means they are capable of homing on a radio signal whose intensity is 75 microvolts or more. A direction finder, having a sensitivity of 120 microvolts per meter, will be unable to receive a radiobeacon signal rated at 75 microvolts per meter at 100 miles until 56 miles from the radiobeacon station. At 56 miles, the signal strength of the transmitted signal is 120 microvolts per meter, which is equal to the sensitivity of the receiver. From the foregoing, it can be seen that the sensitivity of a direction finder determines the degree to which the full capability of the radiobeacon system can be utilized. Mariners should bear this fact in mind when selecting equipment.

(b) **Selectivity** is a measure of the ability of a receiver to choose one frequency and reject all others. The extent of selectivity will vary with the type of receiver and its condition. The transmitted radiobeacon signal is normally composed of two frequencies that are seperated by 1020 hertz (ie. 286.00 kHz and 287.020 kHz). A direction finder capable of accepting only this narrow band of frequencies would be ideal. If a direction finder accepts a wide band of frequencies (ie. 280 to 292 kHz when tuned to 286 kHz), it will admit more noise and more undersired signals. This additional interference may reduce the usefulness of the desired signal, and effectively decrease the maximum range of reception of the radiobeacon. The marine radiobeacon system is based on direction finder selectivity specifications as follows:

Frequency deviation from resonant frequency (kHz)*	DB below resonance responce	Approximate signal ratios for rejection of undesired
±2	3	1.4
±3	12	4.0
±4	25	17.5
±6	50	300.0
±9	70	3,000.0
±12	80	10,000.0

* Resonant frequency is that frequency to which the receiver is tuned.

Errors in bearing may result in a radio direction finder if its selectivity is poor. For example: a bearing is desired on radiobeacon transmitting on 286 kHz and having a field intensity of 75 microvolts per meter at 100 miles. Assume that a ten mile marker radiobeacon is operating on 292 kHz as shown above. The direction finder is located near the extreme service range of both transmitters.

Using the desired selectivity tables shown previously, a direction finder, with these characteristics can distinguish between the two frequencies. The desired 286 kHz radiobeacon signal affects the direction finder 300 times more than the undesired marker radiobeacon signal. If the selectivity were half as good, the desired 286 kHz signal would affect the direction finder only four times more than the undesired 292 kHz signal. The resultant bearing obtained would probably be some value betwwen the two radiobeacons.

Aero Radiobeacons are not service are calibrated for surface navigation, therefore, bearing errors obtained from a vessel may be excessive and should be used with caution.

LORAN

Exact data cannot be given as to the accuracy to be expected in Loran positions since the accuracy depends to a large extent on the skill of the operator, the condition or type of receiving equipment and the area of operation. The accuracy of a Loran fix is determined by the accuracy of the individual lines of position used to establish the fix and by their angle of intersection. The accuracy of an individual line of position in turn depends upon the following factors:

(a) Synchronization of the transmitting stations.
(b) Skill in identifying and matching the signals.
(c) Skill in reading the indicator.
(d) Skill in plotting the line of position.
(e) Uncertainty of skywave correction when such waves are used.
(f) Position of user relative to the transmitting stations.
(g) Accuracy of tables and charts.

Each Loran rate is continuously monitored by its master station to determine that proper synchronization is being maintained. When the synchronization error exceeds the advertised tolerance (usually 2 micro-seconds), the user is advised by the blinking of one or both signals and is thereby warned not to use the rate. This is made known to the user by shifting the signal back and forth about 1, 000 microseconds at a two second cycle.

Loran position determination on or near the baseline extensions are subject to geometric errors exceeding two nautical miles per microsecond and, therefore, should be avoided whenever possible. Loran is a long range aid to navigation and should not normally be used in pilot waters. The use of skywaves is not recommended within 250 miles of either station, and corrections for these areas are not usually tabulated.

Caution must be used in matching Loran signals to insure that the ground wave signal of one station is not unknowingly matched with a skywave signal of the other station of the pair, or a one-hop skywave signal from station with a two-hop skywave signal from the other. Tables and charts are computed for determination of position by matching ground waves with ground waves or first hop E skywaves with first hop E skywaves. A skywave correction is provided in the Loran tables and on the Loran charts to convert first hop E skywave readings to equivalent ground wave readings.

When the transmitters of a Loran rate (pair) are far apart, as for Rates 1L4 (Atlantic) and 2H6 (Pacific), or when land weakens one signal, as with Rate 1L3 (Atlantic) there are large areas near the transmitters where normal Loran operation is not possible. Absence of one ground wave prevents a ground wave match and the nearer skywave is too uncertain to permit a first hop E skywave match. The corrections in these tables allow a ground wave to first hop E skywave match with somewhat less reliability than a match of two skywaves. The tabulated corrections, with the signs noted, are applied to the observed readings before plotting. Interpolation within the tables will usually be necessary. Ground wave to skywave matching should never be used when both ground waves are available. Under the best conditions ground wave to skywave matching may be uncertain by an average amount of from 5 to 10 microseconds. As with skywave to skywave matching, the error may be very large when within 200 microseconds of the base line extensions. Conventional skywave corrections are not used when matching ground waves to skywaves.

The techniques for identifying Loran signals are explained in N. O. Publication No. 9- The American Practical Navigator, N. O. Publication No. 216 - Air Navigation, and in various Loran receiving equipment manuals and in the Loran Tables (N. O. 221). A familiarity with these techniques is necessary to avoid trouble and to make the most of the Loran System potentialities.

** DESCRIPTION AND USE OF AIDS TO NAVIGATION **

LIGHTS ON FIXED STRUCTURES

General. Lights on fixed structures are aids to navigation placed on shore or on marine sites to assist a navigator to determine his position or safe course, to mark channels and to warn him of dangers or obstructions to navigation. They are identified by their light color and flashing characteristics at night, and by the shape and color of their daymark during daytime. Vessels must keep well clear of fixed aids if there is sufficient channel to do so because there may be dangerous underwater obstructions present in the vicinity of the aid.

Lights which have personnel assigned to them and who reside at the station are indicated by the words "Resident Personnel" in column (2) of the lists after the name. Unless otherwise stated in the lists, these lights will be displayed from sunset to sunrise. Occasionally, however, they may be displayed for a short period before sunset and after sunrise in some locations due to prolonged twilight or low visibility.

The lighting apparatus used on other fixed structures is serviced at periodic intervals to assure reliable operation.

Daylight controls. Most lighted aids to navigation are automatically extinguished during daylight hours by switches activated by daylight. These switches are not of equal sensitivity, therefore all lights do not come on or go off at the same time. (Mariners should ensure correct identification of aids during twilight periods when some lighted aids to navigation are on while others are not.)

Aeronautical lights, identified by the word "Aero" as part of the name, are included in the lists if useful to the mariner for navigation purposes where marine aids are not available. It should be borne in mind that these lights are not designed or maintained for marine navigation and that they are subject to changes of which the surface navigator may not receive prompt notification.

Oil well structures in navigable waters are not shown in the lists. The structures are shown on the Coast Charts of the Pacific Coast. Information concerning the location and characteristics of those which display lights and sound fog signals not located in obstruction areas are published in Notices to Mariners.

In general, during the nighttime, a series of white lights are displayed extending from the platform to the top of the derrick when drilling operations are in progress. At other times, they are usually marked with one or more fixed or quick flashing white or red lights, visible for at least one nautical mile during clear weather. Obstructions which are a part of the appurtenances to the main structure, such as mooring piles, anchor and mooring buoys, etc., normally are not lighted. In addition, some of the structures are equipped with fog signals (bell, siren, whistle, or horn). When operating, bells sound one stroke every 15 seconds, while sirens, whistles, or horns sound a single two-second blast every 20 seconds.

A notation is made in the body of the lists for those areas in which oil well structures exist. Since such structures may be established without the mariner having been informed thereof by advance notice to mariners, special caution should be exercised while navigating in these areas.

DAYBEACONS

Daybeacons are unlighted fixed aids to navigation placed on shore or on marine sites. They are identified by their color and the shape of the daymark. Reflectors are placed on certain daybeacons to assist the navigator, using a searchlight, to more readily locate them at night. The colors of reflectors have the same significance as the colors of lights.

FOG SIGNALS

General. The function of a fog signal in the system of aids to navigation is to warn of danger, and to provide the mariner with a practical means of determining his position with relation to the fog signal at such times as the station or any visual signal which it displays is obscured from view by fog, snow, rain, smoke, or thick weather. Among the devices in common use as fog signals are:

Radiobeacons which broadcast simple dot-and-dash combinations by means of transmitter emitting modulated continuous waves.

Diaphones which produce sound by means of a slotted reciprocating piston actuated by compressed air. Blasts may consist of two tones of different pitch, in which case the first part of the blast is high and the last of a low pitch. These alternate pitch signals are called "two-tone."

Diaphragm horns which produce sound by means of a diaphragm vibrated by compressed air, steam, or electricity. Duplex or triplex horn units of differing pitch produce a chime signal.

Sirens which produce sound by means of either a disk or a cup-shaped rotor actuated by compressed air or electricity.

Whistles which produce sound by compressed air emitted through a circumferential slot into a cylindrical bell chamber.

Bells which are sounded by means of a hammer actuated by hand, by a descending weight, compressed gas, or electricity.

Identification. Fog signals are distinguished by their characteristics as specified for each aid. The characteristic of a fog signal is described by its tone and signal characteristics. Its tone is determined by the device used to create the sound, such as diaphragm horn, diaphone, siren, bell, etc. The signal characteristic is the phase relationship of the recurring sound emissions. Fog signals on fixed stations and lightships produce a specific number of blasts and silent periods each minute, when operating, to provide positive identification. Fog signals on buoys are generally actuated by the motion of the sea and, therefore, do not emit regular signal characteristics, and when the sea is calm, may emit no sound signals.

Periods of operation. (*a*) Fog signals at stations where a continuous watch is maintained and indicated by the words "Resident Personnel" in column (2) of the lists after the name are sounded when the visibility decreases to 5 miles, and also whenever the fog whistle of a passing vessel is heard. Fog signals at certain sta- locations where it is impractical to construct fixed aids to navigations which also operate radiobeacons are synchronized with the radiobeacon for distance finding (see page XVIII)

(*b*) Fog signals at locations where no continuous watch is maintained may not always be sounded promptly when fog conditions exist or may operate erratically due to mechanical difficulties.

(*c*) Where fog signals are operated continuously on a seasonal basis or throughout the year, it is so stated in Column 7 of the lists.

(*d*) Fog signals on buoys are generally operated by the motion of the sea.

LIGHTSHIPS

Relief lightships may be placed at any of the lightship stations, and, when practicable, exhibit light, sound and radiobeacon signals having the same characteristic of the station.

General. Lightships are aids to navigation placed in exposed tion. They provide light, fog, and radiobeacon signals, and are distinguished from each other by the characteristics of their signals in the same manner as any other aid to navigation. Lightships under way, or off station, will fly the International Code signal letters "LO" signifying "I am not in my correct position". Lightships, where so stated, carry riding lights for the purpose of showing in which direction the ship is riding. Lights on lightships are displayed from 1 hour before sunset until 1 hour after sunrise and at all times when the sound signal is in operation.

Color and name. All lightships are painted red with the name of the station in white on both sides. Relief lightships are painted the same color as the regular station ships, with the word "RELIEF" in white letters on both sides.

Identification. Lightships, especially relief lightships, will display the international code signal of the station whenever a vessel is approaching or is in the vicinity and there are any indications that such a vessel is in strange waters or fails to recognize the station, or whenever a vessel asks for the information. The International Code signal for each lightship station is stated in the lists.

BUOYS

General. The waters of the United States are marked for safe navigation by the lateral system of buoyage. (*See illustrations in back of book.*) This system employs a simple arrangement of colors, shapes, numbers, and light characteristics to show the side on which a buoy should be passed when proceeding in a given direction. The characteristics are determined by the position of the buoy with respect to the navigable channels as the channels are entered from seaward toward the head of navigation. As all channels do not lead from seaward, arbitrary assumptions must at times be made in order that the system may be consistently applied. The characteristics of buoys are based on the assumption that proceeding in a southerly direction along the Atlantic Coast, in a northerly and westerly direction along the Gulf coast, in a northerly direction on the Pacific coast, in a westerly and northerly direction on the Great Lakes (except Lake Michigan), and in a southerly direction on Lake Michigan, is proceeding from seaward.

On the Intracoastal Waterway proceeding in a general southerly direction along the Atlantic coast, and in a general westerly direction along the Gulf coast, is considered as proceeding from seaward. On the Mississippi and Ohio Rivers and their tributaries the aids to navigation characteristics are determined as proceeding from sea towards the head of navigation although local terminology describes "left bank" and "right bank" as proceeding with the flow of the river.

Colors. When proceeding from seaward:

(*a*) Black buoys mark the port (left) sides of channels, or the location of wrecks or obstructions which must be passed by keeping the buoy on the port (left) hand.

(*b*) Red buoys mark the starboard (right) sides of channels, or the location of wrecks or obstructions which must be passed by keeping the buoy on the starboard (right) hand.

(*c*) Red and black horizontally banded buoys mark junctions or bifurcations in the channel, or wrecks or obstructions which may be passed on either side. If the topmost band is black, the preferred channel will be followed by keeping the buoy on the port (left) hand. If the topmost band is red, the preferred channel will be followed by keeping the buoy on the starboard (right) hand. The first color listed in column 6 is the color of the top band. (Note: When proceeding toward seaward, it may not be possible to pass on either side of these buoys, and the chart should always be consulted.)

(*d*) Black and white vertically striped buoys mark the fairway or midchannel and should be passed close to, on either side.

Shapes. In order to provide ready identification certain unlighted buoys are differentiated by shape.

(*a*) Red buoys, or red and black horizontally banded buoys with the topmost band red are conical shaped and called nun buoys.

(*b*) Black buoys, or black and red horizontally banded buoys with the topmost band black are cylindrical shaped and called can buoys.

(*c*) Black and white vertically striped buoys may be either nun or can buoys. The shape has no significance in this case. Lighted buoys, sound buoys, and spar buoys are not differentiated by shape to indicate the side on which they should be passed. No special significance is attached to the shapes of these buoys, their purpose being indicated only by the coloring, numbering, or light characteristics.

Numbers. (*a*) All solid red and solid black buoys are numbered, the red buoys bearing even numbers and the black buoys bearing odd numbers, the numbers for each increasing from seaward. The numbers are kept in approximate sequence on both sides of a channel by omitting numbers where required.

(*b*) No other color buoys are numbered; however, any color buoy may be lettered for the purpose of identification.

Light color characteristics. Red lights on buoys are used only on red buoys or red and black horizontally banded buoys with the topmost band red. Green lights on buoys are used only on the black buoys or black and red horizontally banded buoys with the topmost band black. White lights on buoys are used on any color buoy. No special significance is attached to a white light on a buoy, the purpose of the buoy being indicated by its color, number, or its light phase characteristic.

Light phase characteristics. (*a*) Lights on red buoys or black buoys, if not fixed, will always be regularly flashing or regularly occulting. For ordinary purposes the frequency of flashes will be not more than 30 per minute (slow flashing). For purposes when it is desired that lights have a distinct cautionary significance, as at sharp turns or sudden constrictions in the channel, or to mark wrecks or dangerous obstructions, the frequency of flashes will be not less than 60 per minute (quick flashing).

(b) Lights on red and black horizontally banded buoys will always show a series of quick flashes interrupted by eclipses about six times per minute (interrupted quick flashing).

(c) Lights on black and white vertically striped buoys will always show a white Morse Code "A" (Short-Long) flash, this combination recurring at the rate of about eight times per minute.

Daylight controls. Certain lighted buoys are equipped with a special device which automatically controls the electric current to the light. This device causes the light to operate during hours of darkness and to be extinguished during daylight hours. These devices are not of equal sensitivity, therefore all lights do not come on or go off at the same time. (Mariners should ensure correct identification of aids during twilight periods when some lighted aids to navigation are on while others are not.)

Reflectors are placed on certain unlighted buoys to assist the navigator, using a searchlight, to more readily locate them at night. The colors of the reflectors have the same significance as the colors of lights.

Special purpose buoys. *(a)* Buoys for special purposes which have no lateral significance are colored as follows. White buoys mark anchorage areas. Yellow buoys mark quarantine anchorage areas. White buoys with green tops are used in connection with dredging and survey operations. White and black alternate horizontally banded buoys mark fish net areas. White and international orange buoys alternately banded, either horizontally or vertically, are for special purposes to which neither the lateral system colors nor the other special purpose colors apply. Yellow and black vertically striped buoys are used for seadrome markings and have no marine significance.

(b) The shape of special purpose buoys has no significance. They are not numbered, but may be lettered. They may display any color light except red or green. Only fixed, occulting, or slow flashing characteristics are used.

Buoys marking wrecks. Buoys established by the Coast Guard to mark wrecks are generally placed on the seaward or channel side of the wreck and as near to the wreck as conditions will permit. Caution must be exercised when navigating in the vicinity of buoys marking wrecks because, due to sea action, the wreck may shift in location between times that the buoy is established and later checked or serviced.

Station buoys. Buoys are sometimes placed in close proximity to a floating aid to mark the station in case the regular aid is accidentally shifted from station. Station buoys are colored and numbered the same as the regular aid to navigation. Lightship station buoys bear the letters "LS" above the initials of the station.

Seasonal Buoys. The dates shown in the list for seasonal buoys and other aids are approximate and may vary due to adverse weather or other conditions.

Minor lights and daybeacons. Minor lights and daybeacons used to mark the sides of channels are given numbers and characteristics in accordance with the lateral system of buoyage.

RADIOBEACONS

Radiobeacons are valuable aids during fog and are also available for navigation in clear weather. The radiobeacon system chartlet and the separate listing by frequencies shows the general location, characteristic code, frequencies, schedules and service range of the radiobeacon. The exact location of the radiobeacon antenna is contained in the body of the light list for the particular radiobeacon.

Operation. Most United States and Canadian radiobeacons must share a group frequency with other beacons. Normally, the stations operate in groups of six, each station in a group using the same frequency and transmitting for one minute in its proper sequence. A few radiobeacons transmit for one minute with two minutes of silence and some radiobeacons transmit continuously without interruption.

Radiobeacons operate during all periods, either sequenced or continuously, regardless of weather conditions.

For station indentification simple characteristics consisting of combinations of dots and dashes are used. These combinations and the lengths of the dots, dashes and spaces are chosen for ease of identification. It is not necessary for a navigator to be skilled in radiotelegraphy to identify the stations. The combinations are not transmitted as morse code and are not referred to as such, but as: (▬ ▬); (▬ ▬ •); etc., depending on the combination used. All radiobeacons superimpose the characteristic on a carrier which is on continuously during the period of transmission. This extends the usefulness of marine radiobeacons to aircraft and ships employing automatic radio direction finders.

Craft employing the "aural null" direction finders will notice no change in quality of service. A ten-second dash is incorporated in the characteristic signal to allow a navigator using an "aural null" direction finder to refine his bearing.

Service range is determined by the strength of the radiated signal. Field strength requirements for a given service range vary with latitude, being higher in the southern latitudes. The actual useful range may vary considerably from the service range with different types of radio direction finders and during various atmospheric conditions.

Distance finding stations. At certain stations the radiobeacon and sound signal are synchronized for distance finding. The beginning of the ten-second radio dash and the beginning of the five-second blast of the fog signal are synchronized for this purpose. The ten-second radio dash and the long (5 second) blast of the fog signal commence at the same instant. Therefore, when within audible range of the sound signal, navigators on vessels with radio receivers capable of receiving the radiobeacon signals may readily determine their distance from the station by observing the time in seconds which elapsed between first hearing the beginning of the ten-second radio dash and the beginning of the five-second sound blast and dividing the result by 5.5 for nautical miles. The error of such observations should not exceed 10 percent.

The two seconds of silence preceding the long radio dash is a stand-by or warning signal as is also the one-second fog signal blast.

Observations for distance from these stations are not **restricted to vessels with direction finders,** but may be made by any vessel having a radio receiver capable of receiving in the band 285 to 325 kilohertz. An example of these synchronized signals follows:

	For 5 minutes	For 1 minute	
RBN	Off	48 Code	10 2 ▬
		3 17 ▬ 33	1 5 ▬ 1 ▬ 5
FS	1 blast ev 20^{s}(3^{s}bl)	▬ Shows dash of RBN or blast of fog signal. Figures show seconds.	

If the interval between hearing the beginning of the long radio dash marking the end of the radiobeacon minute and the beginning of the long blast of the diaphone is 33 seconds, the observer is 33 + 5.5=6 miles from the light station.

Special operation of radiobeacon stations for calibration of direction finders. United States sequenced radiobeacons cannot broadcast at any time other than on their assigned operating minute for the purpose of enabling vessels to calibrate their radio direction finders without causing interference. Special radio direction finder calibration transmitters of short range are operated at certain localities to provide continuous calibration service. These stations with information as to position, frequency, characteristic, etc., are listed on page XX.

The position given for the antenna is the point from which the radiobeacon signal is emitted.

If it is not practicable to determine the time of calibration sufficiently in advance to contact the district commander, request may be made directly to the stations by means of telephone, telegraph, or a whistle signal consisting of three long blasts followed by three short blasts, this whistle signal to be repeated until it is acknowledged by the station through the starting of the transmitter. The same group of signals should be sounded at the termination of calibration.

If attention of station personnel is not attracted by the whistle signals, hoist the international code signal "OQ – I am calibrating radio direction finder . . ." indicating a request for radio direction finder calibration.

The work of the station personnel is not confined to standing watch and there may be times when the signals for calibration are not immediately heard or seen due to the noise from operating station machinery, etc. Usually, a repeated signal not too far from the station will attract attention.

Marker radiobeacons are of low power for local use only. They operate continuously, transmitting a series of ½ second dashes.

Interference may result from either distant radiobeacons or from other Government radio stations operating on or near the same frequency. Any vessels observing radiobeacon interference should promptly report it to the nearest District Coast Guard Office or to the Commandant, United States Coast Guard, Washington, D.C. 20591. Include in such reports information regarding the date, time, identifying characteristic, strength of the interfering signals, and vessel's position. These interference reports are important and cooperation from the mariner in this respect will assist the Coast Guard in improving the radiobeacon service.

Regular and frequent use of the direction finder under all conditions is one of the best means of insuring ability to obtain accurate bearings and that the direction finder is at all times in proper condition. It is important to determine and record the frequency dial setting of a direction finder for each radiobeacon. In plotting long-range bearings on a chart of the Mercator projection a correction must be made as the line of bearing is not a straight line excepting in the meridian.

LORAN

General. Standard loran is an electronic aid to navigation by means of which navigators on or over the ocean can determine their position accurately and quickly, day or night, and under practically any condition of weather and sea. A loran line of position is determined by measuring the time difference in receipt of synchronized electromagnetic wave pulses from two transmitting stations. A position fix may be determined by crossing a loran line of position with another loran line, sun line, star line, or other normal line of position. The reliable average daytime range of loran is 700 miles using ground waves and 1,400 miles nighttime range using sky waves. Loran is usable only by vessels or aircraft equipped with a loran receiver-indicator and loran charts or tables.

Rate designation. The loran signals transmitted from two paired transmitting stations determine a loran rate. Loran rates are given designators consisting of a single digit number followed by either the letter "L", "H" or "S" followed by another single digit number. The first digit indicates the frequency channel of the rate and the letter and final digit designate the pulse recurrence rate, i. e., the number of pulses per second transmitted.

Charts, tables, and instruction books. Loran charts, tables and operating instruction books are published by the Naval Oceanographic Office, Navy Department, Washington, D.C. 20390 and may be obtained upon request at nominal cost. These instructions, tables and charts contain complete descriptions of the loran system and service available. Coast charts of the United States with loran lines are published by the National Ocean Survey, Washington Science Center, Rockville, Md. 20852.

Signal warning. When loran signals are not synchronized or for any other reason are not satisfactory for navigation, one of the two signals on the unsatisfactory rate will "blink," i. e., the signal will appear and disappear alternately. Under no circumstances should a loran rate which is blinking be used for navigation purposes.

RADAR

Certain aids to navigation may be fitted with or have incorporated in their design special fixtures (Radar reflectors) designed to enhance their ability to reflect radar energy. In general, these fixtures will materially improve the aids for use by vessels equipped with radar.

SPECIAL RADIO DIRECTION FINDER CALIBRATION STATIONS

All stations transmit continuously during the time required for calibration with keyed tone modulated carrier (A–2 emission) and have a reliable range of 10 miles. Their assigned characteristic is transmitted twice followed by a 20-second dash, the complete sequence being repeated twice per minute. The antenna is located on the light structure unless otherwise indicated under "Remarks." In the event special calibration service interferes with the operation of regular radiobeacon transmission, the special calibration service will not be given.

Special calibration operation will be made only upon request in advance to the district commander in whose district the calibration station is located, the address and district limits of which are listed on p. IV. The day, time, and frequency on which special calibration service is desired must be stated. If service is desired on both frequencies listed, the time that transmission on each frequency is desired must be specified. Upon arrival at the station on the date and hour specified, station personnel may be contacted by means of the usual whistle signal or flag hoist.

Station	Position		Frequency (kHz)	Characteristic	Remarks
	Latitude, N.	Longitude, W.			
	° ′ ″	° ′ ″			
Los Angeles Light Station, Calif.[1]	33 42 30	118 15 02	325, 480	(▬ ▬ • • ▬ ▬ ▬)	
Point Blunt Light, Calif.	37 51 10	122 25 04	288, 480	(▬ • • • ▬ ▬ ▬)	
Alki Point Light Station, Wash.	47 34 35	122 25 10	300, 480	(▬ ▬ ▬ • • ▬ ▬ ▬)	
Guard Island Light Station, Alaska	55 26 47	131 52 45	294, 480	(▬ ▬ • ▬ • • ▬ ▬ ▬)	
Diamond Head Light Station, Hawaii[2]	21 15 32	157 48 44	310, 480	(• ▬ ▬ • • • ▬ ▬ ▬)	
Point Loma Light, Calif.[3]	32 39 54	117 14 30	325, 480	(▬ • ▬ ▬ • • ▬ ▬ ▬)	

---

[1] Request for special calibration service may also be made to C. G. Radio Station Long Beach.

[2] Periods of operation limited to weekdays from 1800 GMT to 0300 GMT.

[3] Request for special calibration service may also be made to C. G. Radio Station San Diego.

RADIOBEACON SYSTEM – PACIFIC COAST AND PACIFIC ISLANDS – By Frequencies

SEQUENCED

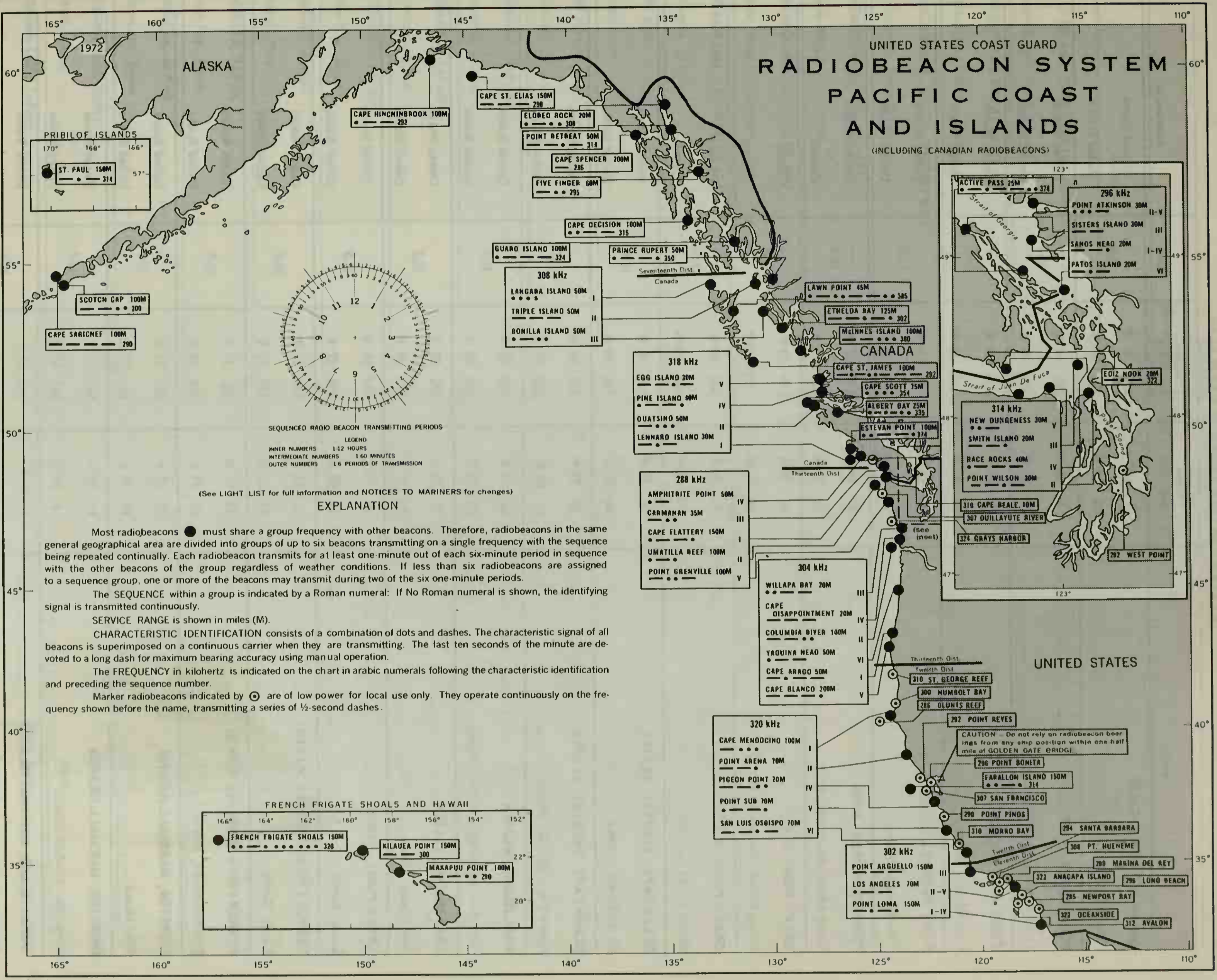
Freq. kHz	Group Sequence	Station	Characteristic	Range (miles)	Lat. (N) ° ' ''	Long. (W) ° ' ''
288	I	CAPE FLATTERY	P (•▬▬•)	150	48 23 30	124 44 08
	II	UMATILLA REEF L. S.	R (•▬•)	100	48 09 58	124 50 25
	III	CARMANAH, (Can.)	D (▬••)	35	48 36 43	124 45 01
	IV	AMPHITRITE POINT, (Can.)	A (•▬)	50	48 55 15	125 32 24
	V	POINT GRENVILLE	X (▬••▬)	100	47 18 19	124 16 33
296	I – IV	SANDS HEAD, (Can.)	G (▬▬•)	20	49 06 22	123 18 06
	II – V	POINT ATKINSON, (Can.)	V (•••▬)	30	49 19 51	123 15 49
	III	SISTERS ISLAND, (Can.)	M (▬▬)	30	49 29 13	124 26 00
	VI	PATOS ISLAND	K (▬•▬)	20	48 47 21	122 58 13
302	I – IV	POINT LOMA	C (▬•▬•)	150	32 39 59	117 14 34
	II – V	LOS ANGELES	W (•▬▬)	70	33 42 31	118 15 03
	III	POINT ARGUELLO	O (▬▬▬)	150	34 34 42	120 38 34
304	I	CAPE ARAGO	Y (▬•▬▬)	50	43 20 29	124 22 27
	II	COLUMBIA RIVER L. S.	Z (▬▬••)	100	46 11 06	124 10 58
	III	WILLAPA BAY	UT (••▬ ▬)	20	46 44 03	124 04 38
	IV	CAPE DISAPPOINTMENT	O (▬▬▬)	20	46 16 35	124 03 02
	V	CAPE BLANCO	OE (▬▬▬ •)	200	42 50 18	124 33 48
	VI	YAQUINA HEAD	W (•▬▬)	50	44 40 36	124 04 42
308	I	LANGARA ISLAND, (Can.)	H (••••)	60	54 15 23	133 03 30
	II	TRIPLE ISLAND, (Can.)	O (▬▬▬)	50	54 17 35	130 52 50
	III	BONILLA ISLAND, (Can.)	L (•▬••)	60	53 29 34	130 38 08
314	II	POINT WILSON	Q (▬▬•▬)	30	48 08 40	122 45 12
	III	SMITH ISLAND	G (▬▬•)	20	48 19 06	122 50 33
	IV	RACE ROCKS, (Can.)	J (•▬▬▬)	40	48 17 54	123 31 50
	V	NEW DUNGENESS	U (••▬)	30	48 10 54	123 06 30
318	I	LENNARD ISLAND, (Can.)	K (▬•▬)	30	49 06 38	125 55 20
	II	QUATSINO, (Can.)	B (▬•••)	50	50 26 26	128 02 27
	IV	PINE ISLAND, (Can.)	P (•▬▬•)	40	50 58 33	127 43 35
	V	EGG ISLAND, (Can.)	Q (▬▬•▬)	30	51 14 58	129 49 57
320	I	CAPE MENDOCINO	B (▬•••)	100	40 26 24	124 24 17
	II	POINT ARENA	G (▬▬•)	70	38 57 20	123 44 28
	IV	PIGEON POINT	Z (▬▬••)	70	37 10 51	122 23 36
	V	POINT SUR	P (•▬▬•)	70	36 18 22	121 54 02
	VI	SAN LUIS OSBISPO	Q (▬▬•▬)	70	35 09 46	120 45 35

CONTINUOUS

Freq. kHz	Group Sequence	Station	Characteristic	Range (miles)	Lat. (N) ° ' ''	Long. (W) ° ' ''
286		CAPE SPENCER	T (▬)	200	58 11 58	136 38 17
290		MAKAPUU POINT, (HWA)	Z (▬▬••)	160	21 18 43	157 39 14
290		CAPE SARICHEF	OT (▬▬▬ ▬)	100	54 36 00	164 55 43
292		CAPE ST. JAMES, (Can.)	CJ (▬•▬• •▬▬▬)	100	51 56 10	131 00 52
292		CAPE HINCHINBROOK	W (•▬▬)	75	60 14 18	146 38 48
295		FIVE FINGER	D (▬••)	60	57 16 18	133 37 42
298		CAPE ST. ELIAS	O (▬▬▬)	150	59 47 48	144 36 18
300		KILAUEA POINT	M (▬▬)	160	22 14 06	159 24 18
300		SCOTCH CAP	Z (▬▬••)	100	54 23 48	164 44 30
302		ETHELDA BAY, (Can.)	TC (▬ ▬•▬•)	125	53 03 05	129 41 12
308		ELDRED ROCK	L (•▬••)	20	58 58 18	135 13 10
314		FARALLON ISLAND	F (••▬•)	150	37 41 48	123 00 00
314		ST. PAUL	K (▬•▬)	150	57 09 30	170 13 36
314		POINT RETREAT	Q (▬▬•▬)	50	58 24 42	134 57 12
318		CAPE DECISION	UT (••▬ ▬)	100	56 00 07	134 08 04
320		FRENCH FRIGATE SHOALS	FSS (••▬• ••• •••)	160	23 52 01	166 17 14
322		EDIZ HOOK	K (▬•▬)	20	48 08 25	123 24 04
324		GUARD ISLAND	J (•▬▬▬)	100	55 26 47	131 52 45
335		ALBERT BAY, (Can.)	AL (•▬ •▬••)	25	50 35 12	126 55 28
350		PRINCE RUPERT, (Can.)	P (•▬▬•)	25	54 18 20	130 27 25
354		CAPE SCOTT, (Can.)	ES (• •••)	75	50 46 57	128 25 31
374		ESTEVAN POINT, (Can.)	EP (• •▬▬•)	100	49 22 59	126 32 30
378		ACTIVE PASS, (Can.)	AR (•▬ •▬▬•)	25	48 52 26	123 17 23
380		MC INNES ISLAND, (Can.)	MS (▬▬ •••)	100	52 15 42	128 42 18
385		LAWN POINT, (Can.)	LZ (•▬•• ▬▬••)	45	53 25 24	131 54 49

MARKER

Freq. kHz		Station		Lat. (N) ° ' ''	Long. (W) ° ' ''
285		NEWPORT BAY		33 35 38	117 52 50
286		BLUNTS REEF LIGHTED HORN BUOY B.		40 26 25	124 30 15
289		MARINA DEL RAY		33 57 50	118 27 28
290		POINT PINOS		36 38 02	121 55 58
292		POINT REYES		37 59 45	123 01 20
292		WEST POINT		47 39 42	122 26 06
294		SANTA BARBARA		34 24 24	119 41 36
296		LONG BEACH		33 43 23	118 11 10
296		POINT BONITA		37 48 55	122 31 42
300		HUMBOLDT BAY		40 45 54	124 13 54
307		SAN FRANCISCO APPROACH LIGHTED HORN BUOY SF		37 45 00	122 41 30
307		QUILLAYUTE RIVER		47 54 32	124 38 14
308		POINT HUENEME		34 08 42	119 12 30
310		MORRO BAY		35 21 46	120 52 08
310		ST. GEORGE REEF		41 50 13	124 22 27
310		CAPE BEALE, (Can.)		48 47 12	125 12 51
312		AVALON		33 20 56	118 19 29
323		ANACAPA ISLAND		34 00 57	119 21 32
323		OCEANSIDE		33 12 34	117 23 37
324		GRAYS HARBOR		46 54 28	124 06 39



UNITED STATES COAST GUARD

RADIOBEACON SYSTEM PACIFIC COAST AND ISLANDS

(INCLUDING CANADIAN RADIOBEACONS)

165°
160°
155°
150°
145°
140°
135°
130°
125°
120°
115°
110°
60°
55°
50°
45°
40°
35°
1972
ALASKA
PRIBILOF ISLANDS
170°
168°
166°
57°
ST. PAUL 150M — • — 314
CAPE HINCHINBROOK 100M • — — 292
CAPE ST. ELIAS 150M — — — 298
ELDRED ROCK 20M • — • • 308
POINT RETREAT 50M — — • — 314
CAPE SPENCER 200M — 286
FIVE FINGER 60M — • • 295
CAPE DECISION 100M • • — — 315
GUARD ISLAND 100M • — — — 324
PRINCE RUPERT 50M • — — • 350
Seventeenth Dist
Canada
SCOTCH CAP 100M — — • • 300
CAPE SARICHEF 100M — — — — 290
308 kHz
LANGARA ISLAND 50M • • • s I
TRIPLE ISLAND 50M — — — II
BONILLA ISLAND 50M • — • • III
LAWN POINT 45M • — • • — — • • 385
ETHELDA BAY 125M — — • — • 302
McINNES ISLAND 100M — — • • • 380
CANADA
CAPE ST. JAMES 100M — • — • • — — — 292
CAPE SCOTT 75M • • • • 354
ALBERT BAY 25M • — • — • • 335
ESTEVAN POINT 100M • • — — • 374
318 kHz
EGG ISLAND 20M — — • — V
PINE ISLAND 40M • — — • IV
QUATSINO 50M — • • • II
LENNARD ISLAND 30M — • — I
Canada
Thirteenth Dist
288 kHz
AMPHITRITE POINT 50M • — IV
CARMANAH 35M — • • III
CAPE FLATTERY 150M • — — • I
UMATILLA REEF 100M • — • II
POINT GRENVILLE 100M — • • — V
(see inset)
304 kHz
WILLAPA BAY 20M • • — — III
CAPE DISAPPOINTMENT 20M — — — IV
COLUMBIA RIVER 100M — — • • II
YAQUINA HEAD 50M • — — VI
CAPE ARAGO 50M — • — — I
CAPE BLANCO 200M — — — • V
Thirteenth Dist
Twelfth Dist
310 ST. GEORGE REEF
300 HUMBOLT BAY
286 BLUNTS REEF
292 POINT REYES
CAUTION — Do not rely on radiobeacon bearings from any ship position within one half mile of GOLDEN GATE BRIDGE.
296 POINT BONITA
FARALLON ISLAND 150M • • — • 314
307 SAN FRANCISCO
298 POINT PINOS
310 MORRO BAY
320 kHz
CAPE MENDOCINO 100M — • • • I
POINT ARENA 70M — — • II
PIGEON POINT 70M — — • • IV
POINT SUR 70M • — — • V
SAN LUIS OBISPO 70M — — • — VI
UNITED STATES
294 SANTA BARBARA
308 PT. HUENEME
Twelfth Dist
Eleventh Dist
289 MARINA DEL REY
322 ANACAPA ISLAND
296 LONG BEACH
285 NEWPORT BAY
322 OCEANSIDE
312 AVALON
302 kHz
POINT ARGUELLO 150M — — — III
LOS ANGELES 70M • — — II–V
POINT LOMA 150M — • — • I–IV
123°
49°
48°
47°
ACTIVE PASS 25M • — • — — • • 374
Strait of Georgia
296 kHz
POINT ATKINSON 30M • • • — II–V
SISTERS ISLAND 30M — — III
SANDS HEAD 20M — — • I–IV
PATOS ISLAND 20M — • — VI
Strait of Juan De Fuca
EDIZ HOOK 20M — • — 322
Puget Sound
314 kHz
NEW DUNGENESS 30M • • — V
SMITH ISLAND 20M — — • III
RACE ROCKS 40M • — — — IV
POINT WILSON 30M — — • — II
318 CAPE BEALE, 10M
307 QUILLAYUTE RIVER
324 GRAYS HARBOR
292 WEST POINT
12
1
2
3
4
5
6
7
8
9
10
11
SEQUENCED RADIO BEACON TRANSMITTING PERIODS
LEGEND
INNER NUMBERS 1-12 HOURS
INTERMEDIATE NUMBERS 1-60 MINUTES
OUTER NUMBERS 1-6 PERIODS OF TRANSMISSION
FRENCH FRIGATE SHOALS AND HAWAII
166°
164°
162°
160°
158°
156°
154°
152°
22°
20°
FRENCH FRIGATE SHOALS 150M • • — • • • • • • • 320
KILAUEA POINT 150M — — 300
MAKAPUU POINT 100M — — • • 290

(See LIGHT LIST for full information and NOTICES TO MARINERS for changes)

EXPLANATION

Most radiobeacons ● must share a group frequency with other beacons. Therefore, radiobeacons in the same general geographical area are divided into groups of up to six beacons transmitting on a single frequency with the sequence being repeated continually. Each radiobeacon transmits for at least one-minute out of each six-minute period in sequence with the other beacons of the group regardless of weather conditions. If less than six radiobeacons are assigned to a sequence group, one or more of the beacons may transmit during two of the six one-minute periods.

The SEQUENCE within a group is indicated by a Roman numeral: If No Roman numeral is shown, the identifying signal is transmitted continuously.

SERVICE RANGE is shown in miles (M).

CHARACTERISTIC IDENTIFICATION consists of a combination of dots and dashes. The characteristic signal of all beacons is superimposed on a continuous carrier when they are transmitting. The last ten seconds of the minute are devoted to a long dash for maximum bearing accuracy using manual operation.

The FREQUENCY in kilohertz is indicated on the chart in arabic numerals following the characteristic identification and preceding the sequence number.

Marker radiobeacons indicated by ⊙ are of low power for local use only. They operate continuously on the frequency shown before the name, transmitting a series of ½-second dashes.

H-863-3

NORTH PACIFIC OCEAN
LORAN – A STATIONS SYSTEM
(MASTER STATION SHOWN IN CAPITALS)

Station	Latitude Deg. Min.	Longitude Deg. Min.	Rate	Operated By
SAN MATEO POINT, CALIF	33 23 N	117 36 W	1H4	United States
Point Arguello, Calif	34 35 N	120 39 W		United States
POINT ARENA CALIF	38 56 N	123 44 W	1H5	United States
Point Arguello, Calif	34 35 N	120 39 W		United States
POINT ARENA, CALIF	38 56 N	123 44 W	1H6	United States
Cape Blanco, Oregon	42 50 N	124 34 W		United States
POINT GRENVILLE, WASH	47 18 N	124 17 W	1L0	United States
Cape Blanco, Oregon	42 50 N	124 34 W		United States
POINT GRENVILLE, WASH	47 18 N	124 17 W	1L1	United States
Spring Island, Vancouver, B. C.	50 00 N	127 25 W		Canada
GRAY'S POINT, B.C.	53 06 N	139 39 W	1L4	Canada
Spring Island, Vancouver, B.C.	50 00 N	127 25 W		Canada
GRAY'S POINT, B.C	53 06 N	131 39 W	1L5	Canada
Bjorka Island , Alaska	56 51 N	135 33 W		Canada
OCEAN CAPE, YAKUTAT, ALASKA	59 31 N	139 46 W	1L6	United States
Biorka Island, Alaska	56 51 N	135 33 W		United States
OCEAN CAPE, YAKUTAT, ALASKA	59 31 N	139 46 W	1L7	United States
Spruce Cape, Kodiak, Alaska	57 49 N	152 20 W		United States
ADAK ISLAND, ALASKA	52 00 N	176 37 W	1L3	United States
Cape Sarichef, Unimak Island, Alaska	54 36 N	164 55 W		United States
ADAK ISLAND, ALASKA	52 00 N	176 37 W	1L2	United States
Attu Island, Alaska	52 50 N	173 11 E		United States
UPOLO POINT, HAWAII	20 15 N	155 53 W	2L5	United States
Kauai, Hawaii	21 52 N	159 27 W		United States
FRENCH FRIGATE SHOALS, HAWAII	23 52 N	166 17 W	2L6	United States
Kauai, Hawaii	21 52 N	159 27 W		United States
FRENCH FRIGATE SHOALS, HAWAII	23 52 N	166 17 W	2L7	United States
Johnston Island, Hawaii	16 45 N	169 31 W		United States
ENIWETOK, MARSHALL ISLANDS	11 22 N	162 21 E	1H1	United States
Wake Island	19 19 N	166 37 E		United States
ENIWETOK, MARSHALL ISLANDS	11 22 N	162 21 E	1H2	United States
Kwajalein, Marshall Islands	8 46 N	167 45 E		United States
SAIPAN ISLAND, MARIANAS ISLANDS	15 07 N	145 42 E	2L3	United States
Guam Island, Marianas Islands	13 26 N	144 37 E		United States
YAP ISLAND, CAROLINE ISLANDS	09 33 N	138 10 E	2L2	United States
Guam Island, Marianas Islands	13 26 N	144 37 E		United States

NORTH PACIFIC OCEAN

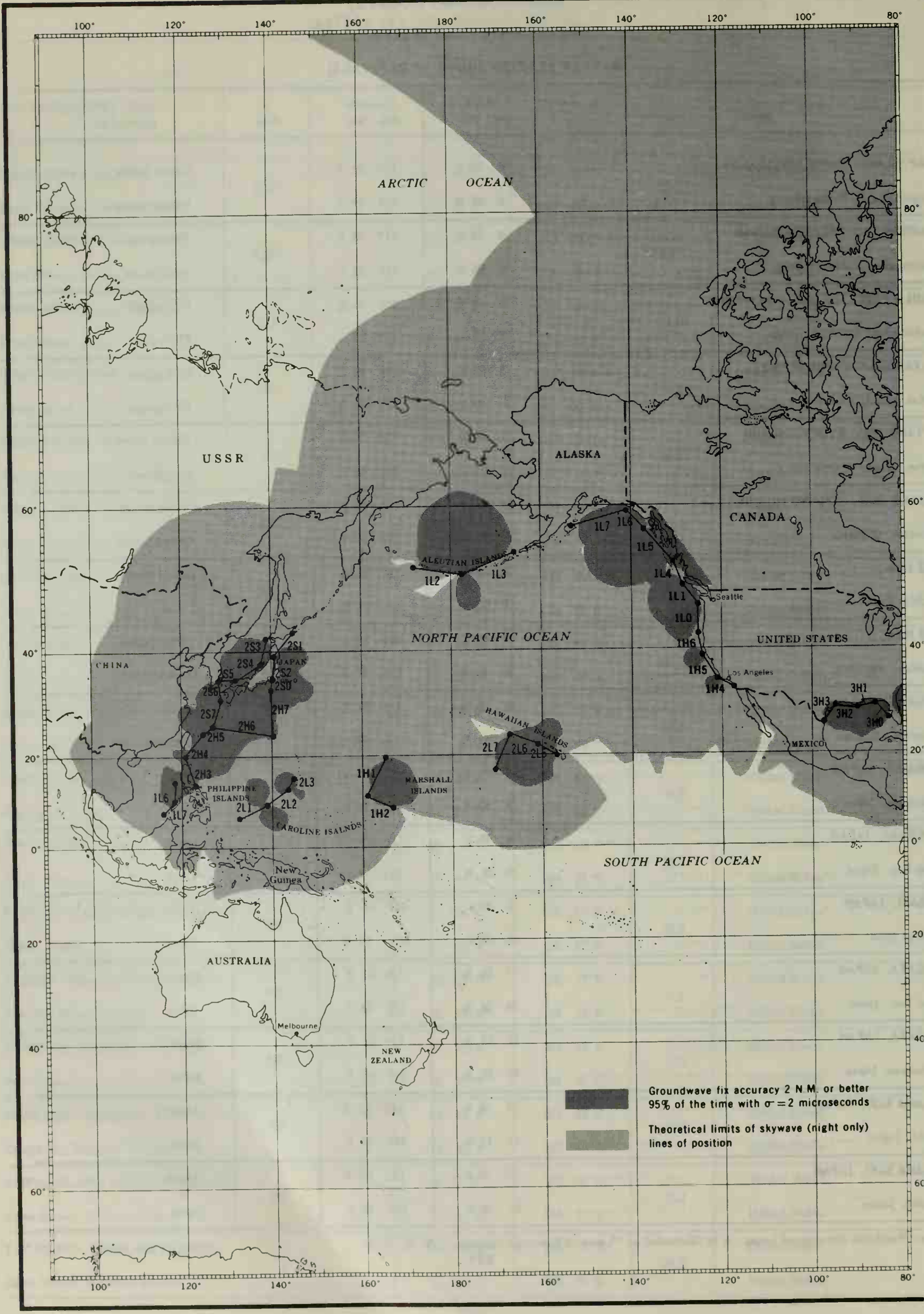
LORAN – A STATIONS SYSTEM

(MASTER STATION SHOWN IN CAPITALS)

Station	Latitude Deg. Min.	Longitude Deg. Min.	Rate	Operated By
YAP ISLAND, CAROLINE ISLANDS	09 33 N	138 10 E	2L1	United States
Angaur Island, Palau Islands	6 55 N	134 09 E		United States
TARUMPITAO, PALAWAN ISLAND	9 03 N	117 38 E	1L7	Philippines
Talampulan, Calamian Group	12 08 N	119 51 E		Philippines
NAULO POINT, LUZON, PHILIPPINES	15 42 N	119 54 E	1L6	Philippines
Talampulan, Calamian Group	12 08 N	119 51 E		Philippines
CATANDUANES, PHILIPPINES	13 59 N	124 19 E	2H3	Philippines
Batan Island, Philippines	20 22 N	121 58 E		Philippines
MIYAKO JIMA, RYUKYU ISLAND	24 44 N	125 26 E	2H4	United States
Batan Island, Philippines	20 22 N	121 58 E		Philippines
MIYAKO JIMA, RYUKYU ISLAND	24 44 N	125 26 E	2H5	United States
Gesashi, Okinawa	26 36 N	128 09 E		United States
IWO JIMA	24 49 N	141 20 E	2H7	United States
Hachijo Jima	33 05 N	139 49 E		Japan
IWO JIMA	24 49 N	141 20 E	2H6	United States
Gesashi, Okinawa	26 36 N	128 09 E		United States
NOMAIKE, JAPAN	31 25 N	130 07 E	2S7	Japan
Gesashi, Okinawa	26 36 N	128 09 E		United States
NOMAIKE, JAPAN	31 25 N	130 07 E	2S6	Japan
Tsushima, Japan	34 40 N	129 29 E		Japan
TSUSHIMA, JAPAN	34 40 N	129 29 E	2S5	Japan
Miho Bay, Japan	35 28 N	133 21 E		Japan
HASAKI, JAPAN	35 49 N	140 47 E	2S0	Japan
Hachijo Jima	33 05 N	139 49 E		Japan
NIIGATA, JAPAN	37 55 N	139 01 E	2S4	Japan
Miho Bay, Japan	35 28 N	133 21 E		Japan
NIIGATA, JAPAN	37 55 N	139 01 E	2S3	Japan
Matsumae, Japan	41 25 N	140 05 E		Japan
OKAMA SAKI, JAPAN	39 26 N	142 02 E	2S1	Japan
Ottisi, Japan	43 11 N	145 31 E		Japan
OKAMA SAKI, JAPAN	39 26 N	142 02 E	2S2	Japan
Hasaki, Japan	35 49 N	140 47 E		Japan

Note: Worldwide coverage of Loran - A is illustrated on "Loran - A Coverage Diagram," N. O. 5130.

LORAN-A COVERAGE DIAGRAM


ARCTIC OCEAN
USSR
ALASKA
CANADA
CHINA
JAPAN
NORTH PACIFIC OCEAN
SOUTH PACIFIC OCEAN
UNITED STATES
MEXICO
ALEUTIAN ISLANDS
HAWAIIAN ISLANDS
MARSHALL ISLANDS
CAROLINE ISLANDS
PHILIPPINE ISLANDS
New Guinea
AUSTRALIA
Melbourne
NEW ZEALAND
Seattle
Los Angeles
1L0
1L1
1L2
1L3
1L4
1L5
1L6
1L7
1H1
1H2
1H4
1H5
1H6
2S0
2S1
2S2
2S3
2S4
2S5
2S6
2S7
2H3
2H4
2H5
2H6
2H7
2L1
2L2
2L3
2L5
2L6
2L7
3H0
3H1
3H2
3H3
100°
120°
140°
160°
180°
160°
140°
120°
100°
80°
80°
60°
40°
20°
0°
20°
40°
60°
Groundwave fix accuracy 2 N.M. or better 95% of the time with σ = 2 microseconds
Theoretical limits of skywave (night only) lines of position

NORTH PACIFIC OCEAN

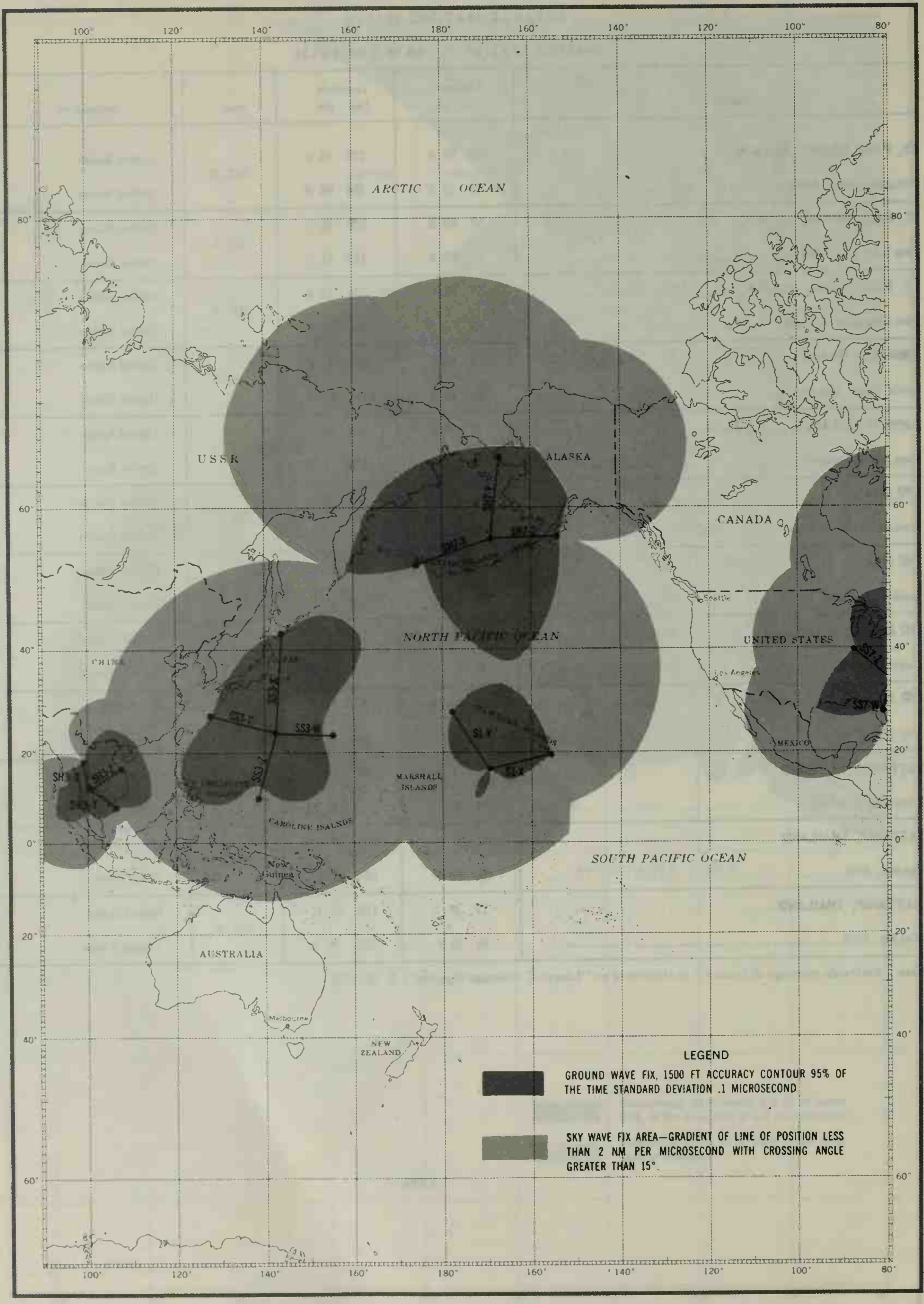
LORAN–C STATIONS SYSTEM

(MASTER STATION SHOWN IN CAPITALS)

Station	Latitude Deg. Min.	Longitude Deg. Min.	Rate	Operated By
ST. PAUL ISLAND, ALASKA	57 09 N	170 15 W	SH7–Z	United States
Sitkinak Island, Alaska	56 32 N	154 08 W		United States
ST. PAUL ISLAND, ALASKA	57 09 N	170 15 W	SH7–X	United States
Attu Island, Alaska	52 50 N	173 11 E		United States
ST. PAULISLAND, ALASKA	57 09 N	170 15 W	SH7–Y	United States
Port Clarence, Alaska	65 15 N	166 53 W		United States
JOHNSTON ISLAND	16 45 N	169 31 W	S1–X	United States
Upolu Point, Hawaii	20 15 N	155 53 W		United States
JOHNSTON ISLAND	16 45 N	169 31 W	S1–Y	United States
Kure Island, Hawaii	28 24 N	178 17 W		United States
IWO JIMA	24 48 N	141 19 E	SS3–W	United States
Marcus Island	24 17 N	153 59 E		United States
IWO JIMA	24 48 N	141 19 E	SS3–X	United States
Hokkaido, Japan	42 44 N	143 43 E		United States
IWO JIMA	24 48 N	141 19 E	SS3–Y	United States
Gesashi, Okinawa	26 36 N	128 09 E		United States
IWO JIMA	24 48 N	141 19 E	SS3–Z	United States
Yap Island	09 33 N	138 10 E		United States
SATTAHIP, THAILAND	12 37 N	100 58 E	SH3–X	United States
Lampang, Thailand	18 20 N	99 23 E		United States
SATTAHIP, THAILAND	12 37 N	100 58 E	SH3–Y	United States
Conson, RVN	08 43 N	106 38 E		United States
SATTAHIP, THAILAND	12 37 N	100 58 E	SH3–Z	United States
Tan My, RVN	16 33 N	107 39 E		United States

Note: Worldwide coverage of Loran - C is illustrated on "Loran - C Coverage Diagram", N. O. 5131 .

LORAN-C COVERAGE DIAGRAM


100°
120°
140°
160°
180°
160°
140°
120°
100°
80°
80°
60°
40°
20°
0°
20°
40°
60°
ARCTIC OCEAN
USSR
ALASKA
CANADA
CHINA
NORTH PACIFIC OCEAN
UNITED STATES
Seattle
Los Angeles
MEXICO
MARSHALL ISLANDS
CAROLINE ISLANDS
New Guinea
SOUTH PACIFIC OCEAN
AUSTRALIA
Melbourne
NEW ZEALAND
SS3-W
SS3-X
SS3-Y
SS3-Z
SL-Y
SL-X
SS7-W
LEGEND
GROUND WAVE FIX, 1500 FT ACCURACY CONTOUR 95% OF THE TIME STANDARD DEVIATION .1 MICROSECOND
SKY WAVE FIX AREA—GRADIENT OF LINE OF POSITION LESS THAN 2 NM PER MICROSECOND WITH CROSSING ANGLE GREATER THAN 15°.

CALIFORNIA

ELEVENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat N.	Long W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST (Chart 5101)											
1 G3676	**POINT LOMA LIGHT** **Fl. W., 15^s** Resident Personnel.	On south end of point west side of entrance to San Diego Bay.	32 39.9	117 14.5	23	400,000	15	Black house on white square, pyramidal, skeleton tower.	70	88	RADIOBEACON: Antenna 175 yards, 327° from light tower. HORN, diaphragm; 1 blast ev 30^s (3^{s}bl). Special Direction Finder Calibration Service, see p. XIX.	1855–1891
2 300	*San Diego Bay Approach Lighted Whistle Buoy 1SD.* **Fl. W., 2.5^s**	In 98 feet, 2.6 miles south of Point. Loma.	32 37.3	117 14.7	....	300	....	Black			Ra ref.	
2.09	Ocean Beach Pier Fog Signal	On fishing pier	35 45.0	117 15.5	....		....	....		23	HORN; diaphragm, 1 blast ev 15^s(2^{s}bl). Private aid.	
	(For San Diego Bay, see No. 300)											
	(For Southern California Islands, see No. 378)											
3 356.05 G3718	MISSION BAY SOUTH JETTY LIGHT 2. **Fl. R, 2.5^s**	On outer end of south jetty.	32 45.4	117 15.1	6	135	11	Column				1956–1967
4 356.10 G3717	MISSION BAY NORTH JETTY LIGHT I. **Fl. W., 6^s (1^{s}fl)**	On outer end of north jetty.	32 45.5	117 15.6	13	6,200	11	SB on white skeleton tower		36	HORN, diaphragm; 1 blast ev 10^s (1^{s}bl).	1955
5 G3720	NAVY OCEANOGRAPHIC TOWER LIGHTS. **2 Qk. Fl. W.**	On southeast and northwest corners of tower platform.	32 46.4	117 16.1	....	300	....	Platform on yellow and black tower.		32	HORN: 1 blast ev 20^s (2^{s}bl). Maintained by U. S. Navy.	1959
6	*Carlsbad Lighted Bell Buoy 2* **Fl. W., 4^s**	In 60 feet, marks seaward end of submerged pipe line.	33 07.9	117 21.1	....		....	Red			Private aid.	
	Carlsbad Lifeguard Training Buoy	In 20 feet			....		....	Orange and white spar			Private aid.	
7.01 360.16	**Oceanside Marker Radiobeacon**	On roof of building	33 12.6	117 23.6	....		....	....			MARKER RADIOBEACON: See p. XVIII for method of operation.	1966
7.02 360.25	OCEANSIDE SOUTH JETTY LIGHT 4. **Fl. R., 5^s**	On end of jetty	33 12.3	117 23.9	12	3,400	10	TR on pole		26	HORN, 2 blasts ev 20^s (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1968
	(For Oceanside Harbor, see No. 360.10)											
7.03 G3732	CAMP PENDLETON SOUTH LIGHT. **Fl. W., 4^s**	On shore	33 15.4	117 26.1	6	200	13	White pyramidal structure		53		1963
	Camp Pendleton Restricted Area Buoy A.	In 41 feet, marks outer limits of restricted area.			....		....	Orange and white horizontal bands.			White reflector.	
7.05 G3733	CAMP PENDLETON NORTH LIGHT. **Fl. W., 6^s(1^{s}fl)**	On shore	33 18.6	117 28.9	7	290	13	White pyramudal structure		63		1963
	Camp Pendleton Restricted Area Buoy B.	In 30 feet, marks outer limits of restricted area.			....		....	Orange and white horizontal bands.			White reflector.	
7.30	*San Onofre Intake Lighted Buoy 2* **Qk. Fl. W.**	In 27 feet	33 21.6	117 33.7	....		....	Red			Private aid.	

CALIFORNIA

ELEVENTH DISTRIC

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
	San Onofre Discharge Buoy A	In 24 feet	33 21.7	117 33.5	....	....	Orange and white horizontal bands.			Private aid.	
	San Mateo Point Security Zone South Buoy.	In 45 feet	33 22.5	117 36.0	....	....	White can with orange band near top and waterline, orange diamond center cross, worded SECURITY ZONE.			Ra ref.	
	San Mateo Point Security Zone Middle Buoy.	In 45 feet	33 23.0	117 36.3	....	....	White can with orange band near top and waterline, orange diamond center cross, worded SECURITY ZONE.				
	San Mateo Point Security Zone North Buoy.	In 45 feet	33 23.6	117 36.6	....	....	White can with orange band near top and waterline, orange diamond center cross, worded SECURITY ZONE.			Ra ref.	
	Dana Point Sewer Outfall Buoy A.	In 12 feet	33 27.5	117 41.3	....	....	Orange and white vertical stripes, spar.			Private aid.	
	Dana Point Sewer Outfall Buoy B.	In 30 feet	33 27.1	117 41.3	....	....	Orange and white vertical stripes; spar.			Private aid.	
8 365 G3736	NEWPORT BAY WEST JETTY LIGHT 3. **Fl. W., 5^s**	On outer end of jetty.	33 35.3	117 52.7	15 15,000	12	SW on skeleton tower		44	HORN, diaphragm; 1 bl ev 30^s (3^sbl).	193
8.11 365.55	**Newport Bay West Jetty Marker Radiobeacon.**	On inner end of west jetty.	33 35.6	117 52.8	....	....	Small concrete house			MARKER RADIOBEACC Antenna at house. Se XVIII for method of operation.	196
	(For Newport Bay, see No. 364)										
9	*Newport Lighted Bell Buoy 2* **Fl. W., 4^s**	In 162 feet, 1.5 miles southwesterly of Newport.	33 35.2	117 57.2	 170	....	Red			Ra ref.	
	Huntington Beach Fish Haven Buoy C.	In 60 feet	33 37.1	117 59.2	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Fish Haven Buoy D.	In 60 feet	33 37.2	117 59.7	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Fish Haven Buoy E.	In 60 feet	33 37.4	117 59.7	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Fish Haven Buoy F.	In 60 feet	33 37.4	117 59.9	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Fish Haven Buoy G.	In 60 feet	33 37.4	118 00.0	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Fish Haven Buoy H.	In 60 feet	33 37.5	118 00.1	....	....	Orange and white horizontal bands; spar.			Private aid.	
	Huntington Beach Buoy 6	In 27 feet, marks intake end of water conduit.	33 38.3	117 59.0	....	....	Red nun			Private aid.	
10	*Huntington Beach Lighted Bell Buoy 8HB.* **Fl. W., 10^s (1^sfl)**	In 70 feet	33 38.1	118 00.8	....	....	Red			Private aid.	

CALIFORNIA

ELEVENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks Year
	SEACOAST					
10.11	*San Pedro Channel Calibration Lighted Whistle Buoy.* **Fl. W., 4^{s}**	In 156 feet 33 36.4 118 05.4	 120	. . . .	Orange and white horizontal bands.	Ra ref.
11 425 G3797	**LONG BEACH LIGHT**. . . . . **Fl. W., 5^{s}**	On east end of Middle Breakwater. 33 43.4 118 11.2	23 420,000	13	White rectangular tower on white building on columnar base. 42 50	MARKER RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl). 1949
12 426 G3796	**PIER A LIGHT** . . . . **Fl. W., 30^{s}** (For San Pedro Bay, see No. 416)	Atop Port Administration Building. 33 45.2 118 12.0	 800,000	. . . .	 147	Private aid. 1960
13 448 G3799	**LOS ANGELES LIGHT** . . . . **Fl. G., 15^{s}** Resident Personnel.	On outer end of San Pedro Breakwater. 33 42.5 118 15.0	22 200,000	14	White cylindrical tower, black pilasters, on concrete block. 69 73	RADIOBEACON: See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 30^{s}(2^{s}bl-2^{s}si-2^{s}bl-24^{s}si). Storm warning signals displayed day and night. Special Direction Finder, Calibration Service. See p. XIX. 1913
14 G3794	**Point Fermin Light** . . . . **Fl. W., 10^{s}**	On point, south of San Pedro. 33 42.3 118 17.6	16 20,000	16	Pole 120	1874–1970
15	*Point Fermin Lighted Whistle Buoy 2PF.* **Fl. R., 4^{s}**	In 55 feet, south of Point Fermin. 33 41.9 118 17.5	. . . .	. . . .	Red	
16 G3886	**POINT VICENTE LIGHT** . . . . **Gp. Fl. W., 20** 0.1^{s}fl., 4.9^{s}ec. 0.1^{s}fl., 14.9^{s}ec. 2 flashes. Resident Personnel.	On southwesterly end of point. 33 44.5 118 24.6	24 600,000	20	White cylindrical tower 67 185	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl), continuously. 1926
16.55	*Palos Verdes Point Lighted Whistle Buoy 4.* **Fl. R., 4^{s}** (For Santa Monica Bay, see No. 481)	In 114 feet 33 46.4 118 26.6	. . . .	. . . .	Red	Ra ref.
18	*Point Dume Lighted Whistle Buoy 6.* **Fl. W., 4^{s}**	In 110 feet 33 59.5 118 48.4	 100	. . . .	Red	Ra ref
19 G3940	**ANACAPA ISLAND LIGHT** . . . . **Gp. Fl. W., 60^{s}** 0.1^{s}fl., 11.9^{s}ec. 0.1^{s}fl., 11.9^{s}ec. 0.1^{s}fl., 35.9^{s}ec. 3 flashes.	On east end of island, south side of east entrance to Santa Barbara Channel. 34 00.9 119 21.5	26 1,100,000	23	White cylindrical tower 277	MARKER RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 15^{s}(2^{s}bl). Emergency light showing same characteristics of 800 cp when main light is extinguished. 1912–1932

CALIFORNIA

ELEVENTH DISTRICT

(1)	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic Range	(6) Structure			(7)	
No.	Characteristic	Lat. N.	Long. W.	Intensity			Ht. above ground	Ht. above water	Remarks	Year
	SEACOAST									
	(Chart 5202)									
20 490 *G3926*	**POINT HUENEME LIGHT** .... **Fl. W., 5^s** Resident Personnel.	North side of east entrance to Santa Barbara Channel. 38 08.7	119 12.5	22 200, 000	13	White square tower on fog signal building.	48	52	MARKER RADIOBEACON See p. XVIII for metho operation. Light obscured from 155° to 296°. HORN, diaphragm; 1 blas ev 15^s(2^{s}bl). On point 251° from light.	1874–1941
	(For north side of Santa Barbara Channel, see No. 490)									
22 *G3952*	**Santa Barbara Light** .... **Fl. W., 10^s**	.... 34 23.8	119 43.3	25 700, 000	18	White tower	24	142	Light obscured from 090° to 275°.	1856–1935
24 *G3964*	**POINT CONCEPTION LIGHT** .... **Fl. W., 30^s (2^{s}fl)** Resident Personnel.	North side of west entrance to Santa Barbara Channel. 34 26.9	120 28.2	26 1, 300, 000	18	White tower behind building	52	133	HORN, diaphragm; 1 blas ev 30^s (3^{s}bl). Operat continuously.	1856–188
25 *G3968*	**POINT ARGUELLO LIGHT** .... **Gp. Fl. W., 30^s** 0.2^{s}fl., 3.8^{s}ec. 0.2^{s}fl., 25.8^{s}ec. 2 flashes. Resident Personnel.	On end of point...... 34 34.6	120 38.9	26 1, 300, 000	17	White rectangular tower........	48	124	RADIOBEACON: Anten 430 yards 070° 18′ fr light tower. See p. X for method of operatio HORN, diaphragm; 2 blasts ev 20^s(2^{s}bl-2^{s}si-2^{s}bl-14^{s}si). Emergency light showing same characteristics 1, 800 cp when main light is extinguished.	1901–193

TWELFTH DISTRICT

(1)	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic Range	(6) Structure			(7)	
No.	Characteristic	Lat. N.	Long. W.	Intensity			Ht. above ground	Ht. above water	Remarks	Year
	(Chart 5302)									
26	*Souza Rock Lighted Gong Buoy*.... **I. Qk. Fl. R.**	In 118 feet, southwest of rock. 35 07.7	120 44.4	....	....	Red and black horizontal bands.				
27 *G3972*	**SAN LUIS OBISPO LIGHT** .... **Fl. W., 20^s(0.8^{s}fl)** Resident Personnel.	On Point San Luis west side of bay. 35 09.6	120 45.6	21 140,000	17	White square tower on dwelling.	40	130	RADIOBEACON: Anten 275 yards 002° from light tower. See p. for method of operatio HORN, diaphgram; 2 blasts ev 60^s (3^{s}bl-3^{s}si-3^{s}bl-51^{s}si).	189
	(For San Luis Obispo Bay see No. 600)									
29	*Westdahl Rock Lighted Bell Buoy 1.* **Fl. W., 6^s(1^{s}fl)**	In 110 feet, 245 yards 239° from rock. 35 08.8	120 47.0	 140	....	Black				

CALIFORNIA TWELFTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
30	*Point Buchon Lighted Whistle Buoy 2.* Fl. W., 6^{s}(1^{s}fl)	In 147 feet	35 14.4	120 54.6	 140	....	Red				
31.11 601.11 G3976	MORRO BAY WEST BREAKWATER LIGHT. Fl. W., 5^{s}	On end of breakwater.	35 21.8	120 52.1	17 30,000	11	White column		36	Visible from 207° to 176°. MARKER RADIOBEACON: Antenna at light tower. Unreliable in area east of bearing 306° to shore. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	1965
	(For Estero Bay, see No. 601.11)										
32	*Von Helm Rock Lighted Gong Buoy 4.* Fl. W., 6^{s}(1^{s}fl)	In 140 feet, seaward of rocks.	35 32.2	121 07.0	 140	....	Red			Ra ref.	
33	*San Simeon Lighted Bell Buoy 1* ... Fl. W., 6^{s}(1^{s}fl)	In 60 feet, southeast of San Simeon Point.	35 37.7	121 11.3	 140	....	Black				
34 G3982	**PIEDRAS BLANCAS LIGHT** .... Gp. Fl. W., 15^{s} 0.2^{s}fl., 3.8^{s}ec. 0.2^{s}fl., 10.8^{s}ec. 2 flashes. Resident Personnel.	On point	35 39.9	121 17.1	25 800,000	18	White conical tower with flat top.	74	142	HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	1879–1949
35 G3986	**Cape San Martin Light** .... Fl. W., 6^{s}(1^{s}fl)	Near end of point of cape.	35 53.3	121 27.8	9 900	21	White pyramidal structure		200		1934
36 G3988	**POINT SUR LIGHT** .... Fl. W., 15^{s} Resident Personnel.	On westerly end of point.	36 18.4	121 54.0	26 1,200,000	22	Gray square stone tower on fog signal building.		250	RADIOBEACON: See p. XVIII for method of operation. Antenna at light tower. HORN, diaphragm, 2 blasts ev 60^{s}(3^{s}bl-3^{s}si-3^{s}bl-51^{s}si).	1889
	(Chart 5402)										
37	*Point Cypress Lighted Gong Buoy 6.* Fl. W., 6^{s}(1^{s}fl)	In 108 feet	36 35.0	121 59.0	 140	....	Red				
38 G3992	**POINT PINOS LIGHT** .... Occ. W., 30^{s} (20^{s}lt) Resident Personnel.	On point, south side of entrance to Monterey Bay.	36 38.0	121 56.0	18 40,000	15	White tower on dwelling	43	89	MARKER RADIOBEACON: See p. XVIII for method of operation. Antenna at light tower. HORN, diaphragm; 2 blasts ev 30^{s}(2^{s}bl-2^{s}si-2^{s}bl-24^{s}si). Located 450 yards 336° from light tower.	1855–1907
39	*Point Pinos Lighted Whistle Buoy 2.* Fl. R., 6^{s}(1^{s}fl)	In 135 feet, off point, south side of Monterey Bay.	36 38.7	121 56.4	....	....	Red			Ra ref.	
	(For Monterey Bay, see No. 609)										
40 620 G4001	**Santa Cruz Light** .... Fl. W., 5^{s}	On point, west side of entrance to Santa Cruz Harbor.	36 57.1	122 01.6	17 30,000	13	White lantern house on square brick tower attached to brick building.	39	60	Visible from 220° to 085°.	1869–1967

CALIFORNIA

TWELFTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
41	*Ano Nuevo Island Lighted Whistle Buoy 8.* Fl. W., 6^s(1^sfl)	In 84 feet, 1,650 yards southerly from island.	37 05.8	122 20.4	 140	....	Red			Ra ref.	
42 G4006	**PIGEON POINT LIGHT** Fl. W., 10^s Resident Personnel.	On end of point	37 10.9	122 23.6	24 500,000	18	White conical tower	115	148	Emergency light when m light extinguished, E W., 6^s of 1,200 cp. RADIOBEACON: Anter 160 feet 039° from li tower. See p. XVIII method of operation. HORN, diaphragm; 2 blasts ev 60^s(3^sbl-3^s 3^sbl-51^s si).	18
	Pillar Point Bell Buoy 10	In 81 feet	37 29.2	122 30.3	....	....	Red			Red reflector.	
45 G4010	**Point Montoro Light** Fl. W., 5^s	On point	37 32.2	122 31.1	16 25,000	14	White conical tower	30	70	Emergency light when m light extinguished E. W., 6^s of 1,200 cp.	1875–19
45.10	*Point Montara Lighted Horn Buoy 10A.* Fl. W., 4^s	In 114 feet	37 32.2	122 32.9	 130	....	Red			HORN, diaphragm; 1 blast ev 20^s(2^sbl). Ra ref.	
45.11	*San Francisco Southern Traffic Lane Lighted Whistle Buoy A.* Mo. (A) W.	In 120 feet	37 39.2	122 39.7	 300	....	Black and white vertical stripes.			Ra ref.	
45.12	*San Francisco Main Traffic Lane Lighted Whistle Buoy B.* Mo. (A) W.	In 180 feet	37 41.5	122 47.6	 300	....	Black and white vertical stripes.			Ra ref.	
46 G4014	**FARALLON LIGHT** Fl. W., 15^s Resident Personnel.	On highest peak of Southeast Farallon.	37 42.0	123 00.1	26 1,300,000	26	White conical tower	41	358	RADIOBEACON: Antenna 280 yards 180° from light tower. See p. XVIII for method operation. HORN, diaphragm; 2 blasts ev 60^s(3^sbl-3^ssi-3^sbl-51^ssi). Fog signal located 275 yards 184° from light tower.	18
47.10	*San Francisco Approach Lighted Horn Buoy SF.* Fl. W., 2^s	In 108 feet	37 45.0	122 41.5	 6,000	....	Red		42	MARKER RADIOBEAC See p. XVIII for met of operation. HORN, 1 blast ev 30^s (3^sbl).	
	(For San Francisco Approach Channels see Nos. 624 and 632)										
48 640 G4054	**Mile Rocks Light** Fl. W., 5^s	On outer and larger rock.	37 47.6	122 30.6	23 400,000	12	White tower		49	Emergency light when light extinguished E W., 6^s of 1,200 cp. HORN, diaphragm; 1 b ev 15^s (2^sbl). Struc floodlighted. Use a front range with Boni Channel Range Rear Light.	1906 – 19

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
49 636 G4052	**Point Bonita Light** **Mo. (A) W., 20^{s}** 1^{s}fl., 2^{s}ec. 2^{s}fl., 15^{s}ec. 2 flashes. Resident Personnel.	On west end of point.	37 48.9	122 31.7	17 30,000	17	White tower	33	124	Emergency light when main light extinguished E. Int. W., 6^{s} of 1,200 cp. MARKER RADIOBEACON: Antenna 32 feet 056° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1855–1877
49.11	*San Francisco Northern Traffic Lane Lighted Whistle Buoy C.* **Mo. (A) W.**	In 170 feet	37 48.2	122 47.9	300	....	Black and white vertical stripes.			Ra ref.	
50	*Noonday Rock Lighted Whistle Buoy NR.* **I. Qk. Fl. W,**	In 140 feet, 0.2 mile southwest of rock.	37 47.5	123 10.1		....	Red and black horizontal bands.			Ra ref.	
51 633 G4352	**BOLINAS AERO LIGHT** **Fl. R., 10^{s}**	Atop radio tower	37 54.8	122 43.5	22 250,000	29			472	Maintained by Federal Aviation Agency.	
52 G4356	**POINT REYES LIGHT** **Fl. W., 5^{s}** Resident Personnel.	On pitch of west head of point.	37 59.7	123 01.3	23 350,000	24	White, 16 sided pyramidal tower.	37	294	MARKER RADIOBEACON: Antenna 39 feet 023° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s} 3^{s}bl).	1870
	(Chart 5502)										
53	*Bodega Head Lighted Horn Buoy 12.* **Fl. W., 6^{s}(1^{s}fl)**	In 110 feet, 1.5 miles from Bodega Rock.	38 17.0	123 04.4	140	....	Red			HORN, 1 blast ev 10^{s} (1^{s}bl).	
	(For Bodega Bay and Tomales Bay, see Nos. 1191 and 1203)										
	Fort Ross Bell Buoy 14	In 130 feet, 9.4 miles south on Sunken Reef.	38 28.7	123 13.0		....	Red			Red reflector.	
54	*Saunders Reef Lighted Gong Buoy 16.* **Fl. W., 6^{s}(1^{s}fl)**	In 130 feet, southwest from outer rock in reef.	38 50.8	123 40.0	140	....	Red				
55	*Arena Cove Lighted Whistle Buoy Pt. A* **Mo. (A) W.**	In 110 feet, 0.7 mile westerly of Pt. Arena Wharf.	38 54.6	123 43.5	100	....	Black and white vertical stripes.				
56 G4358	**POINT ARENA LIGHT** **Gp. Fl. W., 20^{s}** 0.1^{s}fl., 5.0^{s}ec. 0.1^{s}fl., 14.8^{s}ec. 2 flashes. Resident Personnel.	On point	38 57.3	123 44.4	26 1,200,000	19	White cylindrical tower, black gallery.	115	155	RADIOBEACON: Antenna 125 feet 114° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 60^{s} (3^{s}bl-3^{s}si-3^{s}bl-51^{s}si	1870–1908
	(Chart 5602)										
56.10	*Albion River Lighted Whistle Buoy AR.* **Mo. (A) W.**	In 130 feet, marks entrance to river.	39 13.6	123 47.2	100	....	Black and white vertical stripes.			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location		(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure			(7) Remarks	Year
		Lat. N.	Long. W.				Ht. above ground	Ht. above water		
	SEACOAST									
	Little River Bell Buoy............	In 120 feet......... 39 15.9	123 48.0	....	....	Black and white vertical stripes.			White reflector.	
	Mendocino Bay Whistle Buoy......	In 120 feet......... 39 17.9	123 48.7	....	....	Black and white vertical stripes.			White reflector.	
57 G4362	**POINT CABRILLO LIGHT**........ **Fl. W., 10ˢ** Resident Personnel.	On point........... 39 20.9	123 49.5	25 700,000	15	White octagonal frame tower on building.	47	84	HORN, diaphragm; 1 bla ev 30ˢ (3ˢbl). Emerge light showing E. Int. 6ˢ of 1,200 cp when m light is extinguished.	1909
	(For Noyo River, see No. 1204)									
	Usal Whistle Buoy 18	In 90 feet 39 50.7	123 54.0	....	....	Red			Red reflector.	
58	*Noyo Approach Lighted Whistle Buoy NA.* **Mo. (A) W.**	In 150 feet, off entrance. 39 25.9	123 49.9	 100	....	Black and white vertical stripes.				
59	*Point Delgado Lighted Whistle Buoy 20.* **Fl. W., 6ˢ(1ˢfl)**	In 80 feet, 1.2 miles southwest from point. 40 00.3	124 04.8	 140	....	Red				
	Shelter Cove Entrance Bell Buoy 1.	In 70 feet.......... 40 00.6	124 03.5	....	....	Black.........................			White reflector.	
	Rodgers Break Gong Buoy 22......	In 130 feet, southeast of Punta Gorda. 40 11.9	124 18.8	....	....	Red			Red reflector.	
61	*Punta Gorda Lighted Whistle Buoy 24.* **Fl. W., 6ˢ (1ˢfl)**	In 130 feet, 300 yards southwest from Gorda Rock. 40 14.9	124 22.2	 140	....	Red				
62 G4374	**CAPE MENDOCINO LIGHT**...... **Fl. W., 15ˢ**	On west slope of cape. 40 26.4	124 24.3	26 1,300,000	30	Pole		515	RADIOBEACON: Antenn 125 yards 057° from light tower. See p. XVIII for method of operation. 1868–197	
63.10	*Blunts Reef Lighted Horn Buoy B.* **Fl. W., 2ˢ**	In 186 feet 40 26.4	124 30.3	 6,000	....	Red		42	MARKER RADIOBEACO See p. XVIII for meth of operation. HORN, 1 blast ev 30ˢ (3ˢbl).	
65 1205.70	*Humboldt Bay Entrance Lighted Whistle Buoy HB.* **Mo. (A) W.**	In 100 feet, 0.8 mile outside of bar. 40 46.4	124 16.2	 100	....	Black and white vertical stripes.				
65.11 1208.50	**HUMBOLDT BAY LIGHT**........ **Fl. W., 5ˢ**	On shore........... 40 45.9	124 13.7	23 400,000	15	White column.................		100		197
	(For Humboldt Bay, see No. 1205.70)									
	Pilot Rock Gong Buoy............	In 60 feet, 1,075 yards, 194° from Trinidad Head Light.		....	....	Red and black horizontal bands.			Red reflector.	
	Trinidad Harbor Bell Buoy 2.......	In 42 feet, 760 yards, 110° from Trinidad Head Light.		....	....	Red.........................			Red reflector.	

CALIFORNIA TWELFTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST								
66 *G4408*	**TRINIDAD HEAD LIGHT** .... **Gp. Fl. W., 20^s** 2^sfl., 2^sec. 2^sfl., 2^sec. 2^sfl., 10^sec. 3 flashes. Resident Personnel.	On southwest side of head. 41 03. 1 124 09. 0	15 14, 000	20	White pyramidal tower..........	25	196	Obscured northward of 140° HORN, diaphragm; 1 blast ev 30^s (3^s bl).	1871
	(Chart 5702)								
67	*Trinidad Head Lighted Whistle Buoy 26.* **Fl. W., 6^s**(1^sfl)	In 90 feet, 1 mile west of head. 41 03. 1 124 10. 3	 140	....	Red				
	Turtle Rocks Bell Buoy 28	In 118 feet, 0. 5 mile northwest of rock. 41 08. 2 124 11. 8	....	....	Red			Red reflector.	
68. 11	REDDING ROCK LIGHT .... **Fl. W., 4^s**	On Redding Rock. ... 41 20. 5 124 10. 6	6 160	15	NR on skeleton tower on house.		98	Horn, 1 blast ev 10^s (1^sbl). Ra ref.	1971
69 1234	*Crescent City Harbor Lighted Whistle Buoy 2.* **Fl. W., 6^s**(1^sfl)	In 90 feet.......... 41 43. 0 124 11. 7	 140	....	Red				
70. 11 1236 *G4415*	CRESCENT CITY OUTER BREAKWATER LIGHT. **Fl. W., 5^s**	At outer end of breakwater. 41 44. 2 124 11. 4	17 30, 000	13	White column		55	HORN, diaphragm; 1 blast ev 10^s(1^sbl).	1958–1965
	(For Crescent City Harbor, see No. 1234)								
71 *G4418*	**ST GEORGE REEF LIGHT** .... **Fl. W., 5^s** Resident Personnel.	On northwest Seal Rock. 41 50. 2 124 22. 5	22 250, 000	18	Gray tower on pier on rock		146	MARKER RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 30^s (2^sbl- 2^ssi-2^sbl- 24^ssi).	1891
72 *G4414*	DEL NORTE COUNTY AERO LIGHT. **Alt. Fl. G. and W. 10^s**	.... 41 46. 6 124 14. 1	25W 800, 000 21G 160, 000	17	....		116	Maintained by Federal Aviation Agency.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON								THIRTEENTH DISTRICT	
	SEACOAST (Charts 5702, 5802, 5896)									
73 1242	*Chetco River Approach Lighted Whistle Buoy CR.* **Mo. (A) W.**	In 94 feet 42 01.7	124 17.0	 100	....	Black and white vertical stripes.			Ra ref.	
	Chetco River Entrance Bell Buoy 2.	In 66 feet 42 02.1	124 16.6	....	....	Red			(Also listed after No. 1 Red reflector.	
74 1243 *G4424*	CHETCO RIVER ENTRANCE RANGE FRONT LIGHT. **F. R.**	On shore 42 02.9	124 16.0	....	....	KRB on skeleton tower		35	3,500 cp visible 4° each side of rangeline.	196
75 1244 *G4424.1*	CHETCO RIVER ENTRANCE RANGE REAR LIGHT. **F. R.**	On shore, 210 yards 030° from front light.		....	....	KRB on skeleton tower		50	3,500 cp visible 4° each side of rangeline.	1960 –196
76 1245 *G4426*	CHETCO RIVER ENTRANCE LIGHT 3. **Fl. G., 4^s**	On bar rock 42 02.6	126 16.3	6 200	9	SB on white cylindrical concrete column.		23	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	196
	(For Chetco River, see No. 1242)									
77 1246	*Rogue River Approach Lighted Whistle Buoy R.* **Mo. (A) W.**	In 120 feet 42 23.6	124 28.5	 120	....	Black and white vertical stripes.			Ra ref.	
	(For Rogue River, see No. 1246)									
77.11	*Port Oxford Entrance Lighted Bell Buoy 1.* **Fl. G., 4^s**	In 128 feet, south of Tichenor Rock. 42 43.3	124 30.6	....	....	Black			Ra ref.	
77.13	*Port Oxford Entrance Lighted Buoy 3.* **Qk. Fl. G.**	In 36 feet 42 44.2	124 29.6	....	....	Black			Ra ref.	
78	*Oxford Reef Lighted Whistle Buoy 20R.* **Fl. W., 4^s**	In 282 feet, 1.2 miles southwesterly from Fox Rock. 42 45.1	124 39.2	 100	....	Red				
79 *G4432*	**CAPE BLANCO LIGHT** .... **Fl. W., 20^s** Resident Personnel.	On west point of cape. 42 50.2	124 33.8	26 1,000,000	22	White Conical tower	59	245	Light is displayed from hour before sunset to hour after sunrise. RADIOBEACON: Ante 454 feet 335° from light tower. See p. for method of operat	18
80 1248	*Coquille River Entrance Lighted Whistle Buoy 2.* **Fl. W., 4^s**	In 103 feet, 550 yards northerly from Coquille Rock. 43 08.2	124 27.9	 100	....	Red				
	(For Coquille River, see No. 1248)									
81 *G4450*	**CAPE ARAGO LIGHT** .... **Gp. Fl. W., 20^s** 0.1^sfl., 3.9^sec. 0.1^sfl., 3.9^sec. 0.1^sfl., 11.9^sec. 3 flashes.	2.5 miles north of cape and off south entrance to Coos Bay. 43 20.5	124 22.5	22 200,000	16	White octagonal tower attached to building.	44	100	Not visible eastward o 035° and 249°. Li is displayed from 1 hour before sunset t hour after sunrise. RADIOBEACON: Ant 55 feet 166° from light tower. See p. for method of operat HORN, diaphragm; 2 ev 30^s(2^sbl-2^ssi-2^sbl-24^ssi). Coast Guard statio side Coos Head, s side of entrance to	1866–1

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST								
	Baltimore Rock Bell Buoy 2.......	In 70 feet, north of rock, off entrance to Coos Bay. 43 21.3	124 22.9	....	....	Red.........................		Red reflector.	
82 1254	*Coos Bay Approach Lighted Whistle Buoy K.* **Mo. (A) W.**	In 110 feet........ 43 22.4	124 23.0	 100	....	Black and white vertical stripes.		Ra ref.	
	(For Coos Bay, see No. 1254)								
83 G4468	NORTH BEND AERO LIGHT...... **Alt. Fl. W. & G., 10^{s}**	.... 43 25.0	124 14.8	 1,100,000	....	....		Private aid.	
84 1316 G4472	**UMPQUA RIVER LIGHT.........** **Gp. Fl. W., Alt. R. Fl., 15^{s}** 0.1^{s}Wfl., 4.9^{s}ec. 0.1^{s}Wfl., 4.9^{s}ec. 0.1^{s}Rfl., 4.9^{s}ec. **2 W., 1 R. flashes** Resident Personnel.	On south side of mouth of river. 43 39.8	124 11.9	21W 190,000 20R 120,000	19	White conical tower......... 65	165	Light is displayed from 1 hour before sunset to 1 hour after sunrise.	1857–1894
85 1312	*Umpqua River Approach Lighted Whistle Buoy Y.* **Mo. (A) W.**	In 95 feet......... 43 40.3	124 14.0	 100	....	Black and white vertical stripes.			
	(For Umpqua River, see No. 1312)								
86 1338	*Siuslaw River Approach Lighted Whistle Buoy S.* **Mo. (A) W.**	In 80 feet, off entrance to river. 44 01.2	124 09.4	 100	....	Black and white vertical stripes.		Ra ref.	
	(For Siuslaw River, see No. 1338)								
87 G4486	**HECETA HEAD LIGHT..........** **Fl. W., 10^{s}**	On head........... 44 08.3	124 07.6	26 1,100,000	21	White conical tower........... 56	205	Light is displayed from 1 hour before sunset to 1 hour after sunrise.	1894
87.11	NEWPORT AIRPORT AERO LIGHT. **Alt. Fl. W. & G.**	.... 44 35.2	124 03.6	....	....	....		Private aid.	
88 1343	*Yaquina Bay Approach Lighted Whistle Buoy Y.* **Mo. (A) W.**	In 100 feet, on Yaquina Bay range line. 44 35.9	124 06.7	 100	....	Black and white vertical stripes.		Ra ref.	
	(For Yaquina, see No. 1343) (Chart 5902)								
89 G4506	**YAQUINA HEAD LIGHT.........** **Gp. Fl. W., 20^{s}** 2^{s}fl., 2^{s}ec. 2^{s}fl., 14^{s}ec. 2 flashes.	On west end of head.. 44 40.6	124 04.7	19 80,000	19	White conical tower.......... 93	162	Light is displayed from 1 hour before sunset to 1 hour after sunrise. RADIOBEACON: Antenna 75 feet 055° from light tower. See p. XVIII method of operation.	1873
90 1366	*Depoe Bay Approach Lighted Whistle Buoy DB.* **Mo. (A) W.**	In 108 feet........ 44 48.3	124 05.0	 100	....	Black and white vertical stripes.			
	(For Depoe Bay, see No. 1366)								
90.11	*Cape Kiwanda Lighted Whistle Buoy 2.* **Fl. W., 4^{s}**	In 48 feet........ 45 12.7	123 59.3	 130	....	Red.........................		Ra ref. Maintained from May 15 to Oct. 15.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks Year
	SEACOAST					
91	*Cape Lookout Lighted Whistle Buoy 2 CL.* **Fl. W., 4^{s}**	In 150 feet......... 45 20.3 124 01.3	 100	....	Red........................	
	Netarts Bay Approach Whistle Buoy N. (For Netarts Bay, see after No. 1369).	In 60 feet 45 26.5 123 58.6	....	....	Black and white vertical stripes.	White reflector. (Also listed after No. 136
92 *G4516*	**CAPE MEARES LIGHT** .... **Fl. W., 15^{s}**	On west end of cape. 45 29.2 123 58.6	25 800,000	22	White masonry building........ 17 232	Light is displayed fro hour before sunset t 1 hour after sunrise. 1890–1
93.05 1370.05	*Tillamook Bay Approach Lighted Whistle Buoy T.* **Mo. (A) W.** (For Tillamook Bay, see No. 1370)	In 114 feet.......... 45 34.3 123 59.5	 130	....	Black and white vertical stripes.	Ra ref.
	Nehalem River Approach Whistle Buoy NR. (For Nehalem River, see after No. 1375).	In 62 feet, off entrance to river. 45 39.3 123 57.5	....	....	Black and white vertical stripes.	White reflector. (Als listed after No. 137
94	*Tillamook Rock Lighted Whistle Buoy 2TR.* **Fl. W., 4^{s}**	In 189 feet......... 45 56.3 124 01.8	 100	....	Red........................	Ra ref.
	(Chart 6002)					
95 *G4530*	**COLUMBIA RIVER LIGHTSHIP** .... **Fl. W., 10^{s}(1.4^{s}fl)**	In 210 feet, off entrance to river, on Columbia River Entrance rangeline. 46 11.1 124 11.0	24 600,000	13	Red hull, "COLUMBIA" on sides, 2 masts, circular gallery, lantern at foremast only. See p. XVII. 57	Fixed white riding lig on forestay, 20 feet high. RADIOBEACON: See p. XVIII for methoc operation. DIAPHONE, two-tone blast ev 30^{s}(3^{s}bl). Horn, if diaphone is operative. Emergency light of 13, cp shows same char teristic as main ligl Storm warning signals displayed daytime o Code flag signal and radio call NNCR. 1892–1
	(For Columbia River, see No. 1382)					
96 1381 *G4532*	**Cape Disappointment Light** .... **Alt. Fl. W. & R., 30^{s}** 0.3^{s}Wfl., 14.7^{s}ec. 0.3^{s}Rfl., 14.7^{s}ec. Resident Personnel.	North side of mouth of Columbia River. 46 16.6 124 03.1	22W 200,000 18R 45,000	21	White conical tower.......... 53 220	Light is displayed fro 1 hour before sunse to 1 hour after sun Light is obscured ward of 137½°. RADIOBEACON: An at light tower. Se p. XVIII for method operation. Coast Guard station i side point of Fort C by. Telephone to Astoria.

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST								
97 *G4718*	**NORTH HEAD LIGHT** .... **Gp. Fl. W., 30^s** 0.2^sfl., 7.3^sec. 0.2^sfl., 22.3^sec. 2 flashes.	On west point of North Head, Cape Disappointment. 46 18.0	124 04.6	26 1,200,000	20	White conical tower 65	194	Light is displayed from 1 hour before sunset to 1 hour after sunrise. Obscured to eastward of 181°.	1898
98 2096 *G4722*	**Willapa Bay Light** .... **Fl. W., 10^s(2^sfl)**	On Cape Shoalwater, on Coast Guard Lookout Tower. 46 44.1	124 04.6	15 15,000	17	Orange square daymark below white house on white skeleton tower. 64	113	Light is displayed from 1 hour before sunset to 1 hour after sunrise. RADIOBEACON: Antenna 23 yards 157° from light tower. See p. XVIII for method of operation.	1858–1959
99 2090	*Willapa Bay Approach Lighted Whistle Buoy W.* **Mo. (A) W.**	In 98 feet, westerly of Cape Shoalwater. 46 44.2	124 10.5	....	....	Black and white vertical stripes.		Ra ref.	
	(For Willapa Bay, see No. 2090)								
100 2141 *G4726*	**GRAYS HARBOR LIGHT** .... **Alt. Fl. R. & W., 30^s** 0.1^sRfl., 14.9^sec. 0.1^sWfl., 14.9^sec. Resident Personnel.	On seaward side of Point Chehalis. 46 53.3	124 06.9	23W 300,000 22R 200,000	17	White truncated octagonal pyramidal tower. 107	123	Light is displayed from 1 hour before sunset to 1 hour after sunrise. MARKER RADIOBEACON: Antenna 2,400 yards 010 from light. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 15^s (2^sbl). Fog signal is located 2,200 yards 331° from light tower.	1898
101 2142	*Grays Harbor Approach Lighted Whistle Buoy GH.* **Mo. (A) W.**	In 125 feet on range line, 1 mile outside bar. 46 51.9	124 14.3	 130	....	Black and white vertical stripes.		Ra ref.	
102.11 *G4743*	POINT GREENVILLE LIGHT **Fl. W., 7.5^s**	On point 47 18.3	124 16.6	16 20.000	17	White skeleton tower 10	135	Light is displayed from 1 hour before sunset to 1 hour after sunrise. RADIOBEACON: Antenna 160 yards 082° from Loran Tower. See p. XVIII for method of operation.	1967
	(For Grays Harbor, see No. 2141)								
103 *G4746*	**DESTRUCTION ISLAND LIGHT** ... **Fl. W., 10^s** (Chart 6102)	On southwest part of island. 47 40.5	124 29.1	24 600,000	18	White conical tower with black gallery. 94	147	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1891
104 2215	*James Island Lighted Whistle Buoy 2JI.* **Fl. W., 4^s**	In 115 feet 47 52.4	124 42.6	 160	....	Red			
	Quillayute River Approach Whistle Buoy Q.	In 84 feet 47 53.4	124 40.1	....	....	Black and white vertical stripes.		White reflector. (Also listed on page 157).	
105 2216 *G4750*	JAMES ISLAND LIGHT .... **Fl. W., 5^s(1^sfl)**	On south end of island. 47 54.3	124 38.8	11 1,800	18	White house	150	HORN, diaphragm; 2 blasts ev 30^s (2^sbl-2^ssi-2^sbl-24^ssi). Light obscured from 068° to 101° and from 111° to 293°.	1924–1938
	(For Quillayute River, see No. 2215)								

WASHINGTON

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
106 G4754	**UMATILLA REEF LIGHTSHIP** .... **Gp. Fl. W., 20^{s}** 1.4^{s}fl., 3.6^{s}ec. 1.4^{s}fl., 13.6^{s}ec. 2 flashes.	In 150 feet, 2.5 miles southwest from reef.	48 10.0	124 50.4	24 600,000	13	Red hull, "UMATILLA" on sides; 2 masts, circular gallery and lantern at each masthead. See p. XVII.		56	Fixed white riding light, on forestay. RADIOBEACON: See p. XVIII for method of operation. DIAPHONE, two-tone; 1 blast ev 30^{s} (3^{s}bl). Horn, diaphragm; if diaphone inoperative. Emergency light of 13,000 cp shows same characteristic as main light. Storm warning signals displayed daytime only. Code flag signals and radio call NNCL.	1898
107 2220 G4756	**CAPE FLATTERY LIGHT** .... **Gp. Fl. W., R. sector, 45^{s}** 0.2^{s}fl., 7.3^{s}ec. 0.2^{s}fl., 7.3^{s}ec. 0.2^{s}fl., 29.8^{s}ec. 3 flashes. Resident Personnel.	On Tatoosh Island, south side of entrance to Strait of Juan de Fuca.	48 23.5	124 44.1	22W 200,000 18R 50,000	19	White conical tower on white sandstone dwelling.	65	165	Light is displayed 1 hour before sunset to 1 hour after sunrise. Red from 164¾ to 171°, covers Duncan and Duntze Rocks. Light obscured from 271° to 007½°. RADIOBEACON: Antenna 290 feet 012° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 60^{s} (3^{s}bl-3^{s}si-3^{s}bl-51^{s}si)	1857
108 2221	*Duntze Rock Lighted Whistle Buoy 2D.* **Fl. W., 4^{s}**	In 270 feet, northwesterly of rock.	48 24.9	124 44.8	 200	....	Red........................				
	(For Strait of Juan de Fuca. see No. 2219)										

BRITISH COLUMBIA

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
109 2219 G5288	**CARMANAH LIGHT** .... **Fl. W., 5^{s}** Resident Personnel.	On point, 2 miles 311° from Bonilla Point. C.	48 36.7	124 45.0	....	19	White octagonal concrete tower.	56	175	RADIOBEACON: See p. XVI for method of operation. DIAPHONE: 3 blasts ev 60^{s} (2^{s}bl-2^{s}si-2^{s}bl-2^{s}si-2^{s}bl-50^{s}si).	
110	*Clo-oose Approach Lighted Whistle Buoy.* **Mo. (A) W.**	In 90 feet, off village of Clo-oose. C.	48 38.8	124 49.8	....	....	Black and white vertical stripes.			Ra ref.	
111 G5280	**Pochena Light** .... **Gp. Fl. W., 7.5^{s}** 0.4^{s}fl., 1.2^{s}ec. 0.4^{s}fl., 5.5^{s}ec. 2 flashes. Resident Personnel.	On point, south side of Vancouver Island. C.	48 43.3	125 05.8	....	20	White octagonal pyramidal tower equipped with radar reflector, with white rectangular dwelling northeastward of lighthouse.	66	200	DIAPHONE: 2 blasts ev 60^{s} (3^{s}bl-4^{s}si-3^{s}bl-50^{s}si). Fog signal is located 200 yards southeast of light tower.	
111.11 G5279	SEABIRD ROCKS LIGHT .... **Fl. W., 4^{s}**	On largest rock.. C.	48 45.0	125 09.2	....	....	White cylindrical tower on red band on white mast		57		

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA										
	SEACOAST										
112 G5256	**CAPE BEALE LIGHT** .... **Fl. W., R. sector, 7^s** Resident Personnel.	On southeast point of entrance to Barkley Sound. C.	48 47.2	125 12.9	17 30,000	19	White slatted daymark on red square skeleton tower.		170	Red sector from 097° to 182°. MARKER RADIOBEACON: See p. XVIII for method c operation. DIAPHONE: 1 blast ev 60^s (4^{s}bl). (Horn point southwest). HORN, 1 blast ev 60^s (4^{s}bl). Horn points northwest). Horns sound in unison. There is foul ground in Barkley Sound north of 109°. Enter Barkley Sound only with local knowledge or a pilot.	
113 G5257	**Bordelais Islet Light** .... **Fl. W., 6^s**	On islet .... C.	48 49.1	125 13.8	....	15	White mast on square base		84		
114 G5249	CHROW ISLAND LIGHT .... **Fl. W., 4^s**	On northwest end of island, Newcombe Channel, Barkley Sound. C.	48 54.6	125 28.2	....	11	White mast		32		
115 G5247	FRANCIS ISLAND LIGHT .... **Gp. Fl. W., 12^s** 3 flashes.	On small islet south of island, entrance to Ucluelet inlet. C.	48 55.3	125 31.3	....	10	White mast		25		
116 G5246	**Amphitrite Point Light** .... **Fl. W., 15^s** Resident Personnel.	On point, entrance to Uclulet Harbor. C.	48 55.3	125 32.4	10 1,500	13	White rectangular building with rounded front.	33	58	RADIOBEACON: See p. XVIII for method of operation. HORN, 1 blast ev 30^s (3^{s}bl).	
	(Chart NO 17244)										
117	*Carolina Channel Lighted Whistle Buoy.* **Fl. R.**	In 150 feet, off Amphitrite Point. C.	48 54.7	125 32.5	....	....	Red			Ra ref.	
118 G5242	**LENNARD ISLAND LIGHT** .... **Fl. W., 10^s** Resident Personnel.	On southwest point of island, Templar Channel. C.	49 06.6	125 55.3	....	16	White conical tower, red band at top.	58	111	DIAPHONE: 2 blast ev 60^s (2^{s}bl-2^{s}si-2^{s}bl-54^{s}si). Fog signal 100 yards southeast of light.	
119 G5231	TIBBS ISLET LIGHT .... **Fl. W., 12^s(1^{s}fl)**	On islet .... C.	49 13.7	126 06.5	....	12	White mast		46		
120 G5234	MONKS ISLET LIGHT .... **Gp. Fl. W., 12^s** 2 flashes.	On islet, entrance to Calmus Passage. C.	49 13.9	126 00.9	....	12	Pole		41		
121	*Sydney Inlet Lighted Whistle Buoy.* **Mo. (A) W.**	In 84 feet, 1 mile south of Sharp Point. C.	49 20.0	126 15.5	....	....	Black and white vertical stripes.			Ra ref.	
130 G5228	SYDNEY INLET LIGHT .... **QK. Fl. W., R. sector**	On shore, entrance to Refuge Cove. C.	49 21.0	126 15.9	....	....	White pole		25	Shows white light from 297° to 005°; red from 005° to 060°.	
131	*Hesquiat Harbor Lighted Whistle Buoy.* **Mo. (A) W.**	In 72 feet, entrance to harbor. C.	49 23.1	126 25.8	....	....	Black and white vertical stripes.			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	 Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	 Ht. above ground	 Ht. above water	(7) Remarks	 Year
	BRITISH COLUMBIA									
	SEACOAST									
132 G5224	**ESTEVAN POINT LIGHT** **Gp. Fl. W., 10^s** 0.3^sfl., 1.4^sec. 0.3^sfl., 1.4^sec. 0.3^sfl., 6.3^sec. 3 flashes. Resident Personnel. (Chart NO 17241)	On southwest end of point, at Hole-in-the wall. C. 49 23.0	126 32.5	....	17	White octagonal tower		125	RADIOBEACON: See p XVIII for method of operation. DIAPHONE: 1 blast ev 60^s (5^sbl).	
132.51	*Bajo Reef Lighted Whistle Buoy* **Fl. R.**	South of Bajo Reef. C. 49 33.8	126 50.0	....	....	Red			Ra ref.	
133 G5219	NOOTKA LIGHT **Fl. W., 10^s** Resident Personnel.	On San Rafael Island, Nootka Sound. 49 35.6	126 36.8	8 500	16	Red square skeleton tower with white daymark.		102	Visible from 192° to 06 DIAPHONE: 2 blasts ev 60^s(2.5^sbl-5^ssi-2.5^sbl-50^ssi). Horn points southeast ward.	
134	*Esperanza Inlet Lighted Whistle Buoy.* **Mo. (A) W.**	In 120 feet, off west extreme of shoals. C. 49 47.0	127 02.5	....	....	Black and white vertical stripes.			Ra ref.	
135 G5204	NUCHATLITZ LIGHT **Fl. W., 4^s**	On unnamed island. C. 49 49.2	126 58.8	....	....	Pole		36		
136 G5206	DOUBLE ISLAND LIGHT **Fl. W., 10^s**	On island, Gillam Channel, Esperanza Inlet. C. 49 50.7	126 59.8	....	12	White circular tower, black band at top.		39		
137	*Kyuquot Channel Lighted Whistle Buoy.* **Fl. R.**	In 180 feet, entrance to Kyuquot Sound. C. 49 56.1	127 17.6	....	....	Red			Ra ref.	
137.50 G5202.6	RUGGED POINT LIGHT **Fl. W., 6^s**	On point. C. 49 58.2	127 15.1	....	....	White mast on concrete base		51	Intensified on bearing (	
138 G5202	AMOS ISLAND LIGHT **Fl. W., 4^s**	On southwest end of island, Crowther Channel. C. 50 00.8	127 21.1	....	....	White cylindrical tower		34		
139 G5200	GAYWARD ROCK LIGHT **Qk. Fl. W.**	On rock, southwesterly of McLean Island. C. 50 01.3	127 23.4	....	9	Mast		17	Also known as "Chann Rock".	
139.11	*Brown Channel Lighted Whistle Buoy.* **Mo. (A) W.**	In 114 feet, off entrance to channel. 49 59.5	127 26.8 C.	....	....	Black and white vertical stripes.			Ra ref.	
140 G5198	**LOOKOUT ISLAND LIGHT** **Gp. Fl. W., 12^s** 2 flashes.	On east end of island, Brown Channel. C. 49 59.9	127 26.8	....	12	White alumnium skeleton tower		32	Light visible from 180 to 083°.	
141 G5199	Spring Island Fog Signal	Near south end of island. C. 49 59.6	127 25.2	....	..	White square building			HORN: 1 blast ev 20^s (2.5^sbl). Horn point 200°.	
142 G5194	SOLANDER ISLAND LIGHT **Fl. W., 10^s**	On island, southwesterly ot Cape Cook. C. 50 06.7	127 56.3	....	24	White conical tower		309		
143 G5192	DONALD ISLETS LIGHT **Gp. Fl. W., 6^s** 0.5^sfl., 1^sec. 0.5^sfl., 4^sec. 2 flashes.	On most western islet. C. 50 13.9	127 48.4	....	15	White mast red and white triangular daymark.		90		
143.50 G5191	RUGGED ISLANDS LIGHT **Fl. W., 12^s**	On north point of island. C. 50 19.2	127 55.0	....	....	White mast on concrete base.		35	Obscured from 318. to	

(1)	(2)	(3)		(4)	(5)	(6)		(7)	
No.	Name Characteristic	Location Lat. N.	Long. W.	Nominal Range Intensity	Geo-graphic Range	Structure Ht. above ground	Ht. above water	Remarks	Year
	BRITISH COLUMBIA								
	SEACOAST (Chart NO 17008)								
144 G5178	**Kains Island Light** . . . . **Fl. W., 5^{s}** Resident Personnel.	On southeast end of Kains Island, Quantino Sound. C. 50 26.5	128 01.9	. . . .	15	Red lantern on red roof of white square dwelling.	89	Visible from 224° to 104°. RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 30^{s} (2.5^{s}bl).	
145 G5172	CAPE SCOTT LIGHT . . . . **Fl. W., 10^{s}** Resident Personnel.	On cape, northwest point of Vancouver Island. C. 50 46.9	128 25.5	. . . .	22	Skeleton tower, three white dwellings with red roofs.	250	Visible from 344° to 246°. RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 3 blasts ev 60^{s} (2^{s}bl-3^{s}si-2^{s}bl-3^{s}si-2^{s}bl-48^{s}si). Horn points W. HORN: 3 blasts ev 60^{s} (2^{s}bl-3^{s}si-2^{s}bl-3^{s}si-2^{s}bl-48^{s}si). Horn points N. Horn sounds in unison.	
	(For Queen Charlotte Strait, see No. 2702)								
	(For Hecate Strait, see No. 2724)								
146 2724 G5826	**CAPE ST. JAMES LIGHT** . . . . **Fl. W., 6^{s}** Resident Personnel.	On cape, St. James Island, Queen Charlotte Islands. C. 51 56.2	131 00.9	20 100,000	24	White octagonal tower, white dwelling.	315	Visible from 207° to 122°. RADIOBEACON: See p. XVIII for method of operation.	
	(Chart NO 17011)								
147 G5828	FLATROCK ISLAND LIGHT . . . . . . **Fl. W., 10^{s}**	On island . . . . C. 52 06.5	131 10.0	. . . .	14	White mast	77		
148 G5862	TASU SOUND LIGHT . . . . **Gp. Fl. W., 10^{s}** 0.5^{s}fl., 0.5^{s}ec. 0.5^{s}fl., 8.5^{s}ec. 2 flashes.	On south side of inner end of entrance to sound. C. 52 45.0	132 05.7	. . . .	11	White platform on mast on concrete base.	30	Visible from 032° to 052°.	
149 G5861	DAVIDSON POINT LIGHT . . . . **Fl. W., 10^{s}**	On north side of entrance to sound. C. 52 44.5	132 06.7	. . . .	17	White tower	130		
150 G5860	TCENAKUN POINT LIGHT . . . . **Fl. W., 10^{s}**	On point, northwest end of Chaal Island. C. 53 09.1	132 35.0	. . . .	15	White mast on concrete base	87		
150.30 G5859	MARBLE ISLAND LIGHT . . . . **Fl. W., 10^{s}**	On west side of island. C. 53 12.0	132.40.0	. . . .	16	Mast on square concrete base.	110	Visible from 330° to 148°.	
150.60 G5858	HIPPA ISLAND LIGHT . . . . **Fl. W., 10^{s}**	On northeast end of island. C. 53 32.7	133 00.6	. . . .	16	Mast on square concrete base.	100	Visible from 325° to 170°.	
150.90 G5857	FREDERICK ISLAND LIGHT . . . . . **Fl. W., 10^{s}**	On Hope Point . . . C. 53 56.3	133 11.8	. . . .	13	Mast on concrete base	55	Visible from 000° to 215°.	
151 G5854	IPHIGENIA POINT LIGHT . . . . **Fl. W., 10^{s}**	On point, southwest end of Langara Island, Parry Passage, Queen Charlotte Islands. C. 54 11.4	133 00.5	. . . .	12	White cylindrical daymark on mast.	40	Visible from 310° to 126°.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
152 *G5856*	**LANGARA POINT LIGHT** **Fl. W., 5ˢ** Resident Personnel.	On Langara Point, Langara Island, Queen Charlotte. Islands. C.	54 15.3	133 03.5	....	19	White hexagonal tower		160	Visible from 055° to 265° RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 60ˢ (5ˢbl). Horn points 329°. White dwelling 135 yards east of light.	
	(For Dixon Entrance, see No. 2904) (Chart 8002)										
153 3242 *G5924*	CAPE MUZON LIGHT **Fl. W., 6ˢ(1ˢfl)**	West side of entrance to Cordova Bay.	54 39.9	132 41.4	7 350	14	NR on small house		75	Obscured from 090½° to 285½.	193
153.10	POINT CORNWALLIS LIGHT **Fl. W., 4ˢ**	On shore	54 42.2	132 52.3	7 350	20	NR on skeleton tower		193		197
153.20	LOWRIE ISLAND LIGHT **Fl. W., 6ˢ(1ˢfl)**	On shore	54 51.6	133 31.8	8 600	12	NR on skeleton tower		52		197
	(For Cordova Bay, see No. 3241)										
154 3255 *G5945*	DIVER ISLANDS LIGHT **Fl. W., 4ˢ**	On west side of island.	55 10.7	133 15.8	7 250	17	NR on small house		125	Obscured from 202½° to 005°.	195
	(For Meares Passage, see No. 3254)										
155 3256 *G5946*	CAPE BARTOLOME LIGHT **Fl. W., 6ˢ(1ˢfl)**	On south point of island off cape.	55 13.9	133 36.8	7 250	19	NR on small house		163	Obscured from 136° to 269°.	193
	(For Burcarelli Bay, see No. 2900)										
156 3272 *G5954*	CAPE ULITKA LIGHT **Fl. W., 6ˢ(1ˢfl)**	On northerly end of Noyes Island.	55 33.8	133 43.6	6 120	16	NR on small house		115	Obscured from 309° to 055°.	19
	(For Gulf of Esquibel, see No. 3269)										
157 3113 *G6116*	HELM POINT LIGHT **Fl. W., 6ˢ(1ˢfl)**	On southern end of Coronation Island.	55 49.6	134 16.1	6 160	18	NR on skeleton tower		140	Obscured from 067° to 205°.	1943–196
158 3111 *G6286*	**CAPE DECISION LIGHT** **Fl. W., 5ˢ** Resident Personnel.	On south end of cape.	56 00.1	134 08.1	23 350,000	15	White square concrete building with square tower rising from center.	75	96	Obscured from 134° to 245°. Emergency lig Fl. W., 2.5ˢ of reduced cp if main ligl is extinguished. RADIOBEACON: Ante at light tower. See p. XVIII for method o operation. HORN, diaphragm; 1 bl ev 30ˢ(3ˢbl).	1929–19
	(For Sumner Strait, see No. 3112)										

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST										
159 3115 G6292	CAPE OMMANEY LIGHT **Fl. W., $6^s(1^s fl)$**	On Wooden Island	56 09.6	134 39.6	8 500	18	NR on skeleton tower		160	Obscured from 117° to 251°.	1920–1970
	(For Chatham Strait, see No. 3114)										
	(For Sitka Sound, see No. 3284)										
160 3284 G6384	CAPE EDGECUMBE LIGHT **Fl. W., 4^s**	On cape, north side of entrance to Sitka Sound.	56 59.9	135 51.3	7 250	16	NR on square frame		100	Obscured from 164° to 321°.	1921–1965
161 3321 G6354	KLOKACHEF ISLAND LIGHT **Fl. W., $6^s(1^s fl)$**	On Klokachef Point	57 24.2	135 54.2	6 200	15	NR on square frame		85	Obscured from 155½° to 291°.	1967
	(For Khaz Bay, see No. 3335)										
162 3337 G6414	HILL ISLAND LIGHT **Fl. W., 4^s**	On south point of island north side of passage.	57 43.7	136 16.5	6 150	13	NR on square frame		60	Obscured from 111° to 256°.	1923–1966
	Star Rock Bell Buoy	In 83 feet	57 49.8	136 28.0	....	....	Black and red horizontal bands.			White reflector. Maintained from May 15 to Sept. 30.	
163 G6418	LISIANSKI STRAIT ENTRANCE LIGHT. **Fl. W., 2.5^s**	On small island, south side of entrance to strait.	57 50.7	136 26.0	....	....	NR on square frame		50	Higher intensity beam southwest. Obscured from 218° to 023½°.	1920–1965
	(For Lisianski Inlet, see No. 3236)										
164 G6520	GREENTOP ISLAND LIGHT **Fl. W., $6^s(1^s fl)$**	On southern end of island.	57 51.3	136 29.0	6 130	15	NR on small house		79	Obscured from 143° to 318°.	1947
	Takanis Bell Buoy 1	In 90 feet, marks entrance to bay on north side of Takanis Peninsula.	57 56.2	136 34.5	....	....	Black			White reflector. Maintained from May 15 to Sept. 30.	
165 G6518	SURGE BAY ENTRANCE LIGHT **Fl. W., 4^s**	On small islet	57 58.6	136 33.5	....	14	NR on small house		74		1947
166 3232 G6508	**CAPE SPENCER LIGHT** **Fl. W., 7.5^s** Resident Personnel.	On small islet off cape, entrance to Cross Sound.	58 11.9	136 38.3	24 500,000	16	White square concrete tower on rectangular concrete building.	25	105	RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. Emergency light F. W., of lower intensity if main light is extinguished. HORN, diaphragm; 1 blast ev 30^s $(3^s bl)$.	1913–1925
	(For Cross Sound, see No. 3232)										
167 G6514	LIBBY ISLAND LIGHT **Fl. W., 4^s**	On small islet off island.	58 16.4	136 46.3	6 200	12	NR on small house		50	Obscured from 089° to 206°.	1953
168	*Sugarloaf Island Shoal Lighted Whistle Buoy 2.* **Fl. W., $6^s(1^s fl)$**	In 192 feet	58 17.4	136 53.2	 120	....	Red				
169 3338 G6560	OCEAN CAPE LIGHT **Fl. W., $6^s(1^s fl)$**	On bluff, east side of entrance to Yakutat Bay.	59 32.1	139 51.3	9 800	17	Red and white checkered square daymark on skeleton tower.		130	Obscured from 151° to 309°.	1912–1959

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	 Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA								SEVENTEENTH DISTRIC	
	SEACOAST									
170 3339	*Yakutat Bay Entrance Lighted Whistle Buoy 2* **Fl. W.,** 2.5^{s}	In 150 feet, about 3 miles West of Ocean Cape. 59 31.9	139 57.1	 110	....	Red				
	(For Yakutat Bay, see No. 3338)									
171 G6578	YAKATAGA AERO LIGHT........ **Fl. W., 5^{s}**	.... 60 05.0	142 28.7	....	....	....		80	Maintained by Federal Aviation Agency.	
172	*Icy Bay Lighted Whistle Buoy 2* .. **Fl. W., 4^{s}**	In 60 feet 59 50.0	141 33.0	 100	....	Red				
	(Chart 8502)									
173 G6582	**CAPE ST. ELIAS LIGHT**.......... **Gp. Fl. W., 20^{s}** 0.2^{s}fl., 4.8^{s}ec. **0.2^{s}fl., 14.8^{s}ec.** 2 flashes. Resident Personnel.	On south end of Kayak Island. 59 47.8	144 36.3	24 600,000	15	White square tower at corner of rectangular building.	55	85	Obscured from 160° tc 287° and from 018½ to 027°. RADIOBEACON: Anter 80 feet 344° from li tower. See p. XVII for method of opera Emergency light, F of lower intensity i main light is extin-guished. HORN, diaphragm; 1 ev 15^{s} (2^{s}bl).	19
174	*Cape St. Elias Lighted Whistle Buoy 2.* **Fl. W., 4^{s}**	In 126 feet, 2.9 miles 200° from Pinnacle Rock, off Cape St. Elias. 59 44.7	144 38.5	 200	....	Red				
	(For Controller Bay, see No. 3342)									
175 G6590	MIDDLETON ISLAND NORTH END AERO LIGHT. **Alt. Fl. W. & G., 10^{s}**	.... 59 27.4	146 18.3	28 2,000,000	18	....		151	Maintained by Federa Aviation Agency.	1
	Wessels Reef Buoy 1	In 162 feet, north side of reef, north of Middleton Island. 59 48.0	146 12.2	....	....	Black			Ra ref. White reflect	
176	*Egg Islands Lighted Whistle Buoy El.* **Mo. (A) W.**	In 90 feet 60 16.8	145 40.4	 130	....	Black and white vertical stripes.				
177	*Point Bentinck Bar Lighted Bell Buoy 1.* **Fl. W.,** 2.5^{s}	In 72 feet, southeast of point. 60 19.4	145 57.6	....	....	Black			Ra ref.	
178 G6592	**CAPE HINCHINBROOK LIGHT**.... **Fl. W., 5^{s}** Resident Personnel.	On southwest point, east side of Hinchinbrook entrance to Prince William Sound. 60 14.3	146 38.8	23 400,000	22	White square tower on corner of building.	67	235	Obscured from 134° to 135° and 138° to 28 RADIOBEACON: An at light tower. See p. XVIII for method operation. Emerge light, F.W., of lo intensity if main li is extinguished. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl)	1910–
	(For Prince William Sound, see No. 3345)									

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA								SEVENTEENTH DISTRICT	
	SEACOAST									
179 386 6663	RUGGED ISLAND LIGHT........ **Fl. W., 6^s(1^{s}fl)**	On southeast end of island.	59 50.3	149 22.3	7 300	28	NR on small house............	438	Obscured from 059. to 099° and from 114° to 221°.	1956–1967
80 6662	PILOT ROCK LIGHT............ **Fl. W., 4^s**	On highest part of rock.	59 44.6	149 28.1	6 200	16	NR on small house............	100		1913–1956
	(For Resurrection Bay, see No. 3386)									
.81 6674	SEAL ROCKS LIGHT............ **Fl. W., 6^s(1^{s}fl)**	On largest islet of group.	59 31.3	149 37.7	8 600	24	NR on small house............	285		1916–1963
81.50 394.50	*Kennedy Entrance Lighted Whistle Buoy 1.* **Fl. W., 6^s(1^{s}fl)**	In 210 feet.........	58 55.9	151 25.8	 190	....	Black......................		Ra ref.	
82 395 6684	EAST CHUGACH LIGHT .... **Fl. W., 6^s(1^{s}fl)**	On southeast point of East Chugach Island.	59 06.4	151 26.5	7 250	25	NR on skeleton tower..........	325	Obscured from 118° to 227°.	1915–1970
183 397 6688	EAST AMATULI ISLAND LIGHT... **Fl. W., 6^s(1^{s}fl)**	On detached islet, off east point of Island.	58 55.0	151 57.0	8 450	17	NR on skeleton tower..........	120	Obscured from 076° to 147°.	1921
	(For Cook Inlet, see No. 3395)									
183.20 397.50	*Dora Reef Lighted Whistle Buoy 2.* **Qk. Fl. W.**	In 180 feet.........	59 05.0	151 48.0	 100	....	Red.......................			
183.50 488.50 G6754	LATAX ROCKS LIGHT........... **Fl. W., 4^s**	On northern group of Latax Rocks.	58 41.4	152 28.9	8 400	11	NR on skeleton tower.........	37		1966
	EAST SHORE KODIAK ISLAND									
184 3432 G6760	TONKI CAPE LIGHT............ **Fl. W., 4^s**	On north point of cape, east end Afognak Island, west side Marmot Strait.	58 21.2	151 59.1	8 500	14	NR on small house............	75		1917
	(For Marmot Bay, see No. 3432)									
185 3436	*Williams Reef Lighted Whistle Buoy 1.* **Fl. W., 6^s(1^{s}fl)**	In 162 feet, 0.9 mile 052° from Williams Reef.			....	....	Black			
	(For Kodiak and St. Paul Harbors, see No. 3436)									
186 3464	*Humpback Rock Lighted Whistle Buoy 1.* **Fl. W., 4^s**	In 96 feet, 0.6 mile 049°30′ from Humpback Rock.	57 42.9	152 14.1	 100	....	Black			
187 G6820	CAPE CHINIAK LIGHT.......... **Fl. W., 6^s (1^{s}fl)**	On northeasterly side of Kodiak Island.	57 37.7	152 09.1	7 300	17	NR on square frame...........	120	Obscured from 001° to 052° and from 257° to 260°.	1928–1966
188 G6816	DANGEROUS CAPE LIGHT........ **Fl. W., 6^s(1^{s}fl)**	On end of cape......	57 16.7	152 42.6	8 400	20	NR on small house............	192	Obscured northward and eastward of 305°.	1928
189 3474 G6810	WHIRLPOOL POINT LIGHT ...... **Fl. W., 6^s (1^{s}fl)**	On north side of Sitkinak Island.	56 36.9	154 05.9	6 180	13	NR on small house on skeleton tower.	51		1947
	(For West Shore Kodiak Island, see No. 3475)									

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Yea
	SEACOAST								
	SOUTH SHORE ALASKA PENINSULA (Chart 8802)								
190 G6848	FOGGY CAPE LIGHT Fl. W., 6^{s}(1^{s}fl)	On east end of Sutwik Island. 56 32.5	156 59.0	8 400	20	NR on small house	195	Obscured from 081° t 148°.	19
191 G6850	MITROFANIA ISLAND LIGHT Fl. W., 6^{s}(1^{s}fl)	On easternmost point of island. 55 50.0	158 42.0	7 300	19	NR on small house	160		19
	(For Shumagin Island, see No. 3493)								
192 G6902	HAGUE ROCK LIGHT Fl. W., 4^{s}	On top of rock 54 33.2	162 24.1	6 120	13	NR on square frame	60		1942–
192.03	*Westdahl Rock Lighted Bell Buoy.* I. Qk. Fl. W.	In 180 feet, on south west side of rock. 54 37.0	162 51.8	....	....	Red and black horizontal bands.			
	Pankof Breaker Buoy 1	In 180 feet, 4 miles 034½° from Cape Pankof Light.		....	....	Black can		White reflector.	
193 G6908	CAPE PANKOF LIGHT Fl. W., 6^{s}(1^{s}fl)	On rocks off foot of southernmost part of bluff, Ikatan Peninsula. 54 39.6	163 03.7	6 160	15	NR on square frame	82	Obscured from 101° t 217°.	1919–
194 G6904	PAULOFF HARBOR LIGHT Fl. W., 6^{s}(1^{s}fl)	On east side of entrance of Pauloff Harbor. 54 27.7	162 41.3	6 140	13	NR on square frame	56		1
195 G6912	**SCOTCH CAP LIGHT** Fl. W., 6^{s}	On southwest end of Unimak Island. 54 23.8	164 44.6	25 800,000	17	White rectangular building with flat roof.	116	Obscured from 106° 274°. Emergency Fl. W., 6^{s}, of lo intensity if main l is extinguished. RADIOBEACON: An- tenna at light tow See p. XVIII for method of operatio HORN, diaphragm; 2 blasts ev 60^{s}(3^{s}b 3^{s}si-3^{s}bl-51^{s}si).	1903–
196 G6916	**CAPE SARICHEF LIGHT** Fl. W., 10^{s} Resident Personnel.	On west end of Unimak Island. 54 36.0	164 55.7	25 700,000	19	White rectangular building with flat roof.	177	Obscured from 223½ 018½°. Emergency light, O 30^{s}(25^{s}lt), of lower intensity if main light is extinguis RADIOBEACON: A 200 feet 040° from tower. See p. XV method of operatio HORN, diaphragm; 1 30^{s}(3^{s}bl).	1904–
	(For Bristol Bay and Bering Sea, see No. 3533)								

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST									
	ALEUTIAN ISLANDS									
197 G6920	BILLINGS HEAD LIGHT .... **Fl. W., 4^{s}**	On north side of Billings Head.	54 17.9	165 31.3	6 110	21	Red and white checkered square daymark on small house.	210	Obscured from 256½° to 090½°.	1945–1955
	(For Akun Strait and Akutan Harbor, see No. 3518)									
198 G6922	NORTH HEAD LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	On point 1 5 miles westerly from North Head.	54 13.3	165 58.7	6 130	13	Red and white checkered square daymark on small house.	60	Obscured from 257° to 054°.	1939
199 3520 G6930	PRIEST ROCK LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	At base of rock off Cape Kalekta, Unalaska Island.	54 00.6	166 22.5	6 140	12	NR on white skeleton tower	45	Obscured from 271° to 047°.	1920–1923
	(For Dutch Harbor and Unalaska, see No. 3520)									
200 G6946	ANANIULIAK LIGHT .... **Fl. W., 4^{s}**	Off entrance to Nikolski.	52 59.7	168 55.2	6 130	15	Red and white checkered square daymark on small house.	82	Obscured from 211° to 254°.	1934–1944
	(Chart 9102)									
201 G6948	SEGUAM ISLAND LIGHT.......... **Fl. W., $6^{s}(1^{s}$fl)**	On north side of island.	52 23.2	172 26.3	6 160	14	Red and white checkered square daymark on small house.	65	Obscured from 264° to 075°.	1944
202 G6950	NORTH CAPE LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	On Atka Island	52 25.1	174 09.0	6 200	17	Red and white checkered square daymark on small house.	115	Obscured from 293° to 075°.	
205 3526 G6952	SWALLOW HEAD LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	On Great Sitkin Island.	52 07.0	176 09.0	6 140	15	NR on white skeleton tower	80	Obscured from 245° to 046°.	1944–1945
206 G6955	CAPE YAKAK LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	On cape, southwest side of Adak Island.	51 35.6	176 56.6	7 350	20	Red and white checkered square daymark on small house.	194		1953
	(For Kuluk Bay, Adak Island, see No. 3527)									
	BRISTOL BAY (Chart 8802)									
207 G6962	SEA LION ROCK LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	....	55 27.9	163 12.1	7 300	16	Red and white checkered square daymark on skeleton tower.	94	Maintained from May 1 to Sept. 30.	1945–1970
208 G6976	CAPE SENIAVIN LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	....	56 23.0	160 08.0	7 300	19	Red and white checkered square daymark on small house.	175	Maintained from May 1 to Sept. 30.	1945
	(For Port Moller, see before No. 3532).									
	(For Ugashik River, see No. 3532)									
209 3533 G6982	SMOKY POINT LIGHT .... **Fl. W., 4^{s}**	On north side of entrance to Ugashik Bay.	57 37.5	157 41.5	6 190	12	NR on skeleton tower	45	Maintained from May 1 to Sept. 30.	1927–1963
210 G6984	CAPE GREIG LIGHT .... **Fl. W., $6^{s}(1^{s}$fl)**	On cape, east side of Bristol Bay.	57 44.0	157 42.2	7 300	25	Red and white checkered square daymark on small house.	350	Maintained from May 1 to Sept. 30.	1925

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year

ALASKA

SEVENTEENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location / Lat. N. Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Year
	SEACOAST							
	BRISTOL BAY							
211 3539 *G6988*	RED BLUFF LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On north side of entrance to Egegik Bay. 58 14.2 157 29.0	6 140	16	Red and white checkered square daymark on square frame.	96	Maintained from May 1 Sept. 30.	1927–19
212 3541 *G6989*	MIDDLE BLUFF LIGHT **Fl. W., 4^{s}**	On east side of Kvichak Bay. 58 24.4 157 31.5	6 200	19	Red and white checkered square daymark on square frame.	165	Maintained from May 1 Sept. 30.	1925–19
	(For Kvichak Bay, see No. 3535)							
213 3555	*Nushagak Bay Entrance Lighted Bell Buoy 2.* **Fl. W., 6^{s}(1^{s}fl)**	In 36 feet, off Etolin Point. 58 33.7 158 24.2	....	....	Red		Maintained from May 1 Sept. 30.	
	BERING SEA (Chart 9302)							
214	**St. Paul Radiobeacon**	.... 57 09.5 170 13.6	....	....	....		RADIOBEACON: See p. XVIII for method o operation.	
215 *G7004*	CAPE MOHICAN LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On cape, west extremity of Nunivak Island. 60 13.0 167 27.0	7 350	23	Red and white checkered square daymark on small house.	278	Maintained from July 1 to Nov. 1.	1
	(For Yukon River Delta, see No. 3566)							
	NORTON SOUND (Chart 9302)							
216 3573 *G7030*	POINT ROMANOF LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On point........... 63 12.0 162 50.0	7 300	10	Red and white checkered square daymark on small house.	25	Maintained from July Nov. 1.	1909–1
217 3574 *G7032*	CANAL POINT LIGHT **F. W.**	On north side of St. Michael Canal. 63 24.0 162 26.0	....	....	Pole	16	Private aid maintaine from Aug. 1 to Nov.	1
218 3575 *G7034*	CAPE STEPHENS LIGHT **Fl. W., 4^{s}**	On cape southeast side of Stephens Pass. 63 32.7 162 18.0	6 110	21	Red and white checkered square daymark on small house.	200	Maintained from July Nov. 1.	1906–1
219 3577 *G7040*	EGG ISLAND LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On highest part of island. 63 36.0 161 43.2	....	15	Red and white checkered square daymark on small house.	90	Maintained from July to Nov. 1.	1
	(For Unalakleet and Norton Sound, see No. 3579)							
220 3581 *G7052*	CAPE DARBY LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On west side of cape. 64 20.0 162 48.0	6 130	16	Red and white checkered square daymark on small house.	105	Obscured from 160° t 323°. Maintained f July 15 to Nov. 1.	1
	(For Golovnin Bay, see No 3581)							
221 3586 *G7062*	ROCKY POINT LIGHT **Fl. W., 4^{s}**	At western entrance to Golovin Bay. 64 24.0 163 09.0	6 110	19	Red and white checkered square daymark on small house.	175	Maintained from July to Nov. 1.	1
	(For Nome Harbor, see No. 3587)							
222 *G7082*	SLEDGE ISLAND LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On north point of island. 64 30.0 166 11.0	7 300	10	Red and white checkered square daymark on square frame.	28	Obscured from 326° t 080°. Maintained from July 15 to Nov	1923–1

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
				ALASKA					SEVENTEENTH DISTRICT	
	SEACOAST									
	NORTON SOUND									
223 7084	CAPE RODNEY LIGHT .... **Fl. W., 4s**	On point............ 64 38.6	166 23.7	7 250	9	Red and white checkered square daymark on small house.		15	Maintained from July 15 to Nov. 1.	1928
	BERING STRAIT (Chart 9400)									
224 7088	POINT SPENCER LIGHT .... **Fl. W., 6s(1sfl)**	On north end of point, entrance to Port Clarence. 65 16.7	166 50.2	7 300	9	Red and white checkered square daymark on square frame.		15	Maintained from July 15 to Nov. 1.	1923–1964
	(For Grantley Harbor, see No. 3591)									
225 G7102	CAPE PRINCE OF WALES LIGHT . **Fl. W., 6s(1sfl)**	On cape, 2 miles northerly from Wales P. O. 65 36.0	168 05.0	6 150	10	Red and white checkered square daymark on skeleton tower.		25	Maintained from July 15 to Nov. 1.	1923–1964
226 G7106	SHISHMAREF LIGHT .... **Fl. W., 4s**	In village of Sarichef Island, southwest side of entrance to Shishmaref Inlet, ½ mile from northeast end of island. 66 15.0	166 04.0	6 170	13	School building		56	Maintained from July 15 to Nov. 1.	1932–1963
227 G7119	NORTHWEST CORNER LIGHT .... **Fl. W., 6s (1sfl)**	Between Shishmaref and Cape Espenberg. 66 35.0	164 15.0	7 300	16	Red and white checkered square daymark on small house.		100	Maintained from July 15 to Nov. 1.	1945
227.50	CAPE KRUSENSTERN LIGHT .... **Fl. W., 4s**	.... 67 07.4	163 47.0	6 200	12	NR on wooden structure		45	Maintained from July 15 to Oct. 1.	1971
	(For Kotzebue Sound, see No. 3592)									
	NORTON SOUND									
228 G7132	POINT HOPE LIGHT .... **Fl. W., 6s(1sfl)**	In village 68 22.0	166 40.0	6 160	9	School building			Maintained from July 15 to Nov. 1.	1924–1962
	ARCTIC COAST									
233	Point Lay RACON	On shore 69 44.1	163 00.6	....	....	Tower		120		1971
234	Icy Cape RACON	On shore 70 17.3	161 54.5	....	....	Tower		120		1971
236	Wainwright RACON	On shore 70 36.6	159 51.9	....	....	Tower		120		1971
242	Cape Simpson RACON	On shore 71 03.4	154 43.6	....	....	Tower		200		1971
246	Cape Halkett RACON	On shore 70 49.8	152 17.4	....	....	Tower		50		1971
248	Atigaru Point RACON	On shore 70 33.3	15 42.5	....	....	Tower		50		1971
253	Oliktok Point RACON	On Shore 70 29.8	149 53.2	....	....	Tower		320		1971
255	Cross Island RACON	On shore 70 29.7	147 57.5	....	....	Tower		50		1971
257	Savakvik Point RACON	On shore 70 10.5	146 51.4	....	....	Tower		120		1971
	(For Hawaiian and other Pacific Islands, see No. 3620)									

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks Yea
			CALIFORNIA				**ELEVENTH DISTRI**
	SAN DIEGO BAY (Chart 5107)						
	Yacht Course Buoys A, B, C	In 23 to 53 feet. Position Buoy A. 32 40.9 117 11.6	....	....	Orange and white horizontal bands; spars.		Private aids.
	Yacht Course Buoy E	In 58 feet 32 38.2 117 12.2	....	....	Orange and white horizontal bands, spar.		Private aid.
300 2	— *Approach Lighted Whistle Buoy 1SD.* Fl. W., 2.5^{s}	In 98 feet, 2.6 miles south of Point. Loma. 32 37.3 117 14.7	 300	....	Black		Ra ref.
301	— *Approach Lighted Buoy 3* Fl. W., 6^{s}(1^{s}fl)	In 73 feet	 400	....	Black		
302	— *Channel Lighted Bell Buoy 5* Fl. W., 4^{s}	In 49 feet 32 39.1 117 13.6	 250	....	Black		Ra ref.
303	— ENTRANCE RANGE FRONT LIGHT. Fl. G., 2.5^{s}	In 15 feet, off south end of Shelter Island. 32 42.3 117 14.0	 250	....	KRW on white column	22	3, 500 cp on rangelin with lower intensit elsewhere. HORN, diaphragm; 1 blast ev 10^{s}(1^{s}bl) 1934 –
304	— ENTRANCE RANGE REAR LIGHT. Fl. G., 2.5^{s}	500 yards 353° from front light.	....	....	KRW on skeleton tower	55	2, 500 cp visible 4° e side of rangeline. Range lights synch nized. 1934 –
305	— *Channel Lighted Buoy 6* Fl. R., 4^{s}	In 40 feet	....	....	Red		Ra ref.
306	— *Channel Lighted Buoy 7* Fl. W., 4^{s}	In 42 feet	 120	....	Black		
307.10	ZUNIGA JETTY LIGHT Z Fl. W., 2.5^{s}	End of jetty 32 40.0 117 13.3	....	....	NW worded DANGER SUBMERGED JETTY on pole.	20	
	Zuniga Jetty Daybeacon Y	On jetty	....	....	NW worded DANGER SUBMERGED JETTY on pile.		
	Zuniga Jetty Daybeacon X	On jetty	....	....	NW worded DANGER SUBMERGED JETTY on pile.		
	Zuniga Jetty Daybeacon W	On jetty	....	....	NW worded DANGER SUBMERGED JETTY on pile.		
	Zuniga Jetty Daybeacon V	On jetty	....	....	NW worded DANGER SUBMERGED JETTY on pile.		
308	— *Channel Lighted Buoy 8* Fl. R., 4^{s}	In 42 feet	....	....	Red		Ra ref.
309	— *Channel Lighted Buoy 9* Fl. W., 4^{s}	In 44 feet	 120	....	Black		
310	— *Channel Lighted Buoy 10* Fl. R., 4^{s}	In 45 feet	....	....	Red		Ra ref.
311	— *Channel Lighted Buoy 11* Fl. W., 4^{s}	In 42 feet	 120	....	Black		Ra ref.
311.90	— *Channel Lighted Buoy 12* Fl. R., 2.5^{s}	In 41 feet	....	....	Red		
312	**Ballast Point Light B** Fl. W., 5^{s}	In 10 feet 32 41.2 117 14.0	15 15,000	9	NR on platform on dolphin	16	HORN, diaphragm; blast ev 15^{s} (2^{s}bl 1890–
	Shallow Check Range East Buoy	In 30 feet. Marks degaussing range. 32 41.2 117 13.6	....	....	Orange and white horizontal bands; spar.		Maintained by U. S.
	Shallow Check Range West Buoy	In 30 feet. Marks degaussing range. 32 41.2 117 13.6	....	....	Orange and white horizontal bands; spar.		Maintained by U. S. Navy.
314	— *Channel Lighted Buoy 14* Qk. Fl. R.	In 42 feet	....	....	Red		
315	— *Channel Lighted Buoy 15* Qk. Fl. G.	In 42	....	....	Black		Ra ref.

(1) No.	(2) Name / Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN DIEGO BAY								
	MUNICIPAL YACHT HARBOR								
	— Daybeacon 2	In 10 feet		...	...	TR on pile			
5. 11	— LIGHT 4 **Fl. W., 2.5^{s}**	In 10 feet		8 500	8	TR on pile	11		1971
5. 15	— RANGE FRONT LIGHT **F. G.**	In 15 feet 32 43.1	 117 13.5	... 350	...	...	22	Visible 45° each side of rangeline. Private aid.	1951
5. 16	— RANGE REAR LIGHT **F. G.**	90 yards 047° from front light.		... 350	...	...	30	Visible 45° each side of rangeline. Private aid.	1951
	— Buoy 6	In 20 feet 32 42.6	 117 14.0	...	...	Red nun		Private aid.	
	— Buoy 7	In 19 feet		...	...	Black can		Private aid.	
	— Buoy 9	In 20 feet		...	...	Black can		Private aid.	
	SAN DIEGO BAY								
16	NORTH ISLAND LIGHT 2 **Fl. R., 2.5^{s}**	On west side of North Island. 32 42.2	 117 13.4	... 900	...	TR on small house	25		1937
17	— *Channel Lighted Buoy 16* **Qk. Fl. R.**	In 42 feet		...	...	Red		Ra ref.	
18	— *Channel Lighted Buoy 17* **Qk. Fl. G.**	In 42 feet		...	...	Black		Ra ref.	
318. 11	— *Lighted Mooring Buoy 5* **Fl. W., 11^{s}(1^{s}fl)**	In 48 feet		...	...	White		Maintained by U. S. Navy.	
19	NORTH ISLAND LIGHT 4 **Fl. R., 2.5^{s}**	On southwest corner of pier.		... 900	...	TR on pole	23		1941–1959
20	SHELTER ISLAND LIGHT S **Fl. W., 2.5^{s}**	On end of southerly breakwater.		... 250	...	NR on pole	16	Higher intensity beam up and down bay.	1899–1963
322	— *Channel Lighted Buoy 18* **Qk. Fl. R.**	In 42 feet		...	...	Red		Ra ref.	
323	— *Channel Lighted Buoy 19* **Qk. Fl. G.**	In 42 feet		...	...	Black		Ra ref.	
323. 21	— *Lighted Mooring Buoy 12* **Fl. W., 11^{s}(1^{s}fl)**	In 52 feet 32 43.0	 117 13.1	...	...	White		Maintained by U. S. Navy.	
	COMMERCIAL BASIN								
323. 30	— *Lighted Buoy 1* **Fl. G., 4^{s}**	In 24 feet 32 43.1	 117 13.0	...	...	Black			
	— Daybeacon 3	In 12 feet		...	...	SB on pile			
	— Daybeacon A	In 10 feet		...	...	Red and black square on pile		Private aid.	
	— Daybeacon 1	In 10 feet		...	...	Black square on pile		Private aid.	
	— Daybeacon 3	In 10 feet		...	...	Black square on pile		Private aid.	
	— Daybeacon 5	In 10 feet		...	...	Black square on pile		Private aid.	
	— Daybeacon B	In 10 feet		...	...	Red and black square on pile		Private aid.	
	— Daybeacon 2	In 10 feet		...	...	TR on pile		Private aid.	
	— Daybeacon 4	In 10 feet		...	...	TR on pile		Private aid.	
	— Daybeacon 6	In 10 feet		...	...	TR on pile		Private aid.	
	SAN DIEGO BAY								
324. 10	HARBOR ISLAND LIGHT **Fl. W., 5^{s}**	... 32 43.5	 117 12.7	15 15, 000	13	Top of red roofed building.	56		1971
326. 10	NORTH ISLAND LIGHT N **Qk. Fl. W.**	In 25 feet 32 42.8	 117 12.5	7 300	9	NR on pole on concrete platform.	20		1970
328	— *Channel Lighted Buoy 20* **Qk. Fl. R.**	In 42 feet		...	...	Red		Ra ref.	
329	— *Channel Lighted Buoy 21* **Qk. Fl. G.**	In 42 feet		...	...	Black		Ra ref.	

CALIFORNIA

ELEVENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN DIEGO BAY									
330	SAN DIEGO AERO LIGHT **Alt. Fl. W. & G., 10^s**	At Lindbergh Airfield.	32 43.9	117 11.1	28 2,000,000	....		93	Maintained by Federal Aviation Agency.	
331	—*North San Diego Bay Lighted Buoy 1.* **Qk. Fl. G.**	In 37 feet	32 43.3	117 10.7		....	Black			
332	Pier B Fog Signal	On outer end of roof of shed No. 1.	32 43.0	117 10.5		....			HORN, diaphragm; 1 bla ev 15^s(2^{s}bl).	1944
332.11	—*Lighted Mooring Buoy 23* **Fl. W., 11^s(1^{s}fl)**	In 38 feet				....	White		Maintained by U.S. Navy.	
332.21	—*Lighted Mooring Buoy 24* **Fl. W., 11^s(1^{s}fl)**	In 36 feet				....	White		Maintained by U.S. Navy.	
333	—*Channel Lighted Buoy 22* **Fl. R., 4^s**	In 32 feet	32 42.2	117 10.4		....	Red		Ra ref.	
334	—*Channel Lighted Buoy 24* **Qk. Fl. R.**	In 37 feet				....	Red			
335.10	TENTH AVENUE PIER NORTH LIGHT. **F. G.**	Marks northwest corner of pier.	32 42.0	117 09.6	100	....	Pier	10	Private aid.	195
335.20	TENTH AVENUE PIER SOUTH LIGHT. **F. G.**	Marks southwest corner of pier.	32 41.8	117 09.2	100	....	Pier	10	Private aid.	195
	— Channel Buoy 26	In 17 feet	32 41.3	117 09.4		....	Red nun		Red reflector.	
336.10	SAN DIEGO-CORONADO BAY BRIDGE FOG SIGNAL.	On each end of pier 19.	32 41.4	117 09.1		....	Bridge pier		HORNS, diaphragm (2) blast ev 10^s(1^{s}bl) simultaneously.	19
	GLORIETTA BAY									
336.20	—*Channel Lighted Buoy 1* **Fl. W., 4^s**	In 17 feet	32 41.2	117 09.1	130	....	Black			
336.30	—CHANNEL RANGE FRONT LIGHT. **Fl. G., 2.5^s**	In 17 feet				....	KRB on pile	11	2,500 cp on rangeline with lower intensity elsewhere.	19
336.31	—CHANNEL RANGE REAR LIGHT. **Fl. G., 2.5^s**	On shore, 200 feet 232° from front light.				....	KRB on pole	21	2,500 cp on rangeline with lower intensity elsewhere. Flashe simultaneously with front light.	19
	—Channel Buoy 2	In 17 feet	32 41.2	117 09.3		....	Red nun		Red reflector.	
	—Channel Buoy 3	In 17 feet	32 41.0	117 09.4		....	Black can		White reflector.	
	—Daybeacon 4	In 17 feet				....	TR on pile			
	—Daybeacon 6	In 17 feet				....	TR on pile			
	—Buoy 11	In 20 feet				....	Black can		Private aid.	
	—Buoy 12	In 16 feet				....	Red nun		Private aid.	
	—Buoy 13	In 16 feet				....	Black can		Private aid.	
	SAN DIEGO BAY									
339	—*Channel Lighted Buoy 28* **Fl. R., 4^s**	In 36 feet				....	Red			
340	—*Channel Lighted Buoy 30* **Qk. Fl. R.**	In 13 feet				....	Red			
341	—*Channel Lighted Buoy 32* **Fl. R., 4^s**	In 27 feet				....	Red			
	—Channel Buoy 34	In 29 feet	32 39.7	117 07.4		....	Red nun		Red reflector.	
	—Channel Buoy 35	In 29 feet	32 39.5	117 07.3		....	Black can		White reflector.	

1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA							ELEVENTH DISTRICT	
	SAN DIEGO BAY								
2	*National City Terminal Lighted Buoy 1.* **Fl. G., 2^s**	In 30 feet 32 39.5	117 07.2	....	....	Black can		Green reflector. Private aid.	
	—Channel Buoy 38	In 29 feet 32 39.4	117 07.5	....	....	Red nun		Red reflector.	
42.05	—*Channel Lighted Buoy 40* **Fl. R., 4^s**	In 29 feet 32 39.3	117 07.4	....	....	Red			
42.15	—*Channel Lighted Buoy 41* **Fl. G., 4^s**	In 28 feet 32 39.3	117 07.3	....	....	Black			
	—Channel Buoy 43	In 30 feet 32 39.2	117 07.3	....	....	Black can		White reflector.	
42.25	—*Channel Lighted Buoy 44* **Fl. R., 4^s**	In 30 feet 32 39.0	117 07.3	....	....	Red			
	—Channel Buoy 45	In 30 feet 32 39.0	117 07.2	....	....	Black can		White reflector.	
	—Channel Buoy 48	In 30 feet 32 38.7	117 07.4	....	....	Red nun		Red reflector.	
42.45	—*Channel Lighted Buoy 49* **Fl. G., 4^s**	In 30 feet 32 38.7	117 07.3	....	....	Black			
43.50	—CHANNEL LIGHT 47 **Fl. G., 2^s**	In 8 feet 32 38.8	117 07.2			SB on dolphin	15		1970
	Sweetwater Channel Buoy 2 **Fl. R., 2^s**	In 30 feet 32 38.8	117 07.1	....	....	Red nun		Red reflector.	
	—Channel Buoy 51	In 20 feet 32 38.6	117 07.3	....	....	Black can		White reflector.	
	CORONADO CAY CHANNEL								
351	—LIGHT 1 **Fl. G., 2.5^s**	In 2 feet 32 38.3	117 07.9	....	....	SB on pile	8	Private aid.	1970
351.05	—LIGHT 2 **Fl. R., 2.5^s**	In 3 feet 32 38.3	117 08.0	....	....	TR on pile	8	Private aid.	1970
	—Daybeacon 3	In 2 feet		....	....	SB on pile		Private aid.	
	—Daybeacon 4	In 3 feet		....	....	TR on pile		Private aid.	
	—Daybeacon 5	In 2 feet		....	....	SB on pile		Private aid.	
	—Daybeacon 6	In 3 feet		....	....	TR on pile		Private aid.	
351.10	—LIGHT 7 **Qk. Fl. G.**	In 4 feet 32 38.0	117 07.9	....	....	SB on pile	8	Private aid.	1970
351.15	—LIGHT 8 **Qk. Fl. R.**	In 5 feet 32 38.0	117 08.0	....	....	TR on pile	8	Private aid.	1970
351.20	—LIGHT 10 **Qk. Fl. R.**	In 11 feet 32 37.9	117 07.9	....	...	TR on pile	8	Private aid.	1970–1971
351.22	—LIGHT 11 **Qk. Fl. G.**	In 11 feet 32 37.9	117 07.8	....	....	SB on pile	8	Private aid.	1970
352.25	—LIGHT 13 **Qk. Fl. G.**	In 6 feet 32 37.8	117 07.7	....	....	SB on pile	8	Private aid.	1970
352	—LIGHT 15 **Qk. Fl. G.**	In 11 feet 32 37.7	117 07.7	....	....	SB on pile	8	Private aid.	1970
352.05	—LIGHT 16 **Qk. Fl. R.**	In 11 feet 32 37.7	117 07.7	....	....	TR on pile	8	Private aid.	1970
	CHULA VISTA CHANNEL								
	—Junction Buoy	In 22 feet		....	....	Red and black horizontal bands; nun.		Private aid.	
	—Buoy 1, 2, 3, 4, 5, 6, 7, 8	In 18 to 21 feet		....	....	Odd numbered, black can; even numbered; red nun.		Private aid.	

CALIFORNIA ELEVENTH DISTR

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	MISSION BAY									
356.05 3 *G3718*	— SOUTH JETTY LIGHT 2 ..... **Fl. R., 2.5^s**	On outer end of south jetty. 32 45.4	117 15.1	6 135	11	Column				1956–19
356.10 4 *G3717*	— NORTH JETTY LIGHT .... **Fl. W., 6^s(1^sfl)**	On outer end of south jetty. 32 45.5	117 15.6	13 6,200	11	SB on white skeleton tower....		36	HORN, diaphragm; 1 bl ev 10^s (1^sbl).	19
356.15	— CHANNEL LIGHT 4 .... **Fl. W., 2^s**	.... 32 45.6	117 14.4	 3,000	....	Pole		22	Private aid.	196
356.20	QUIVERA BASIN LIGHT 2 .... **E. Int. W., 8^s**	On shore		 800	....	Pole		8	Private aid.	19
356.25	QUIVERA BASIN LIGHT 1 ...... **E. Int. W., 8^s**	On shore 32 45.8	117 14.4	 800	....	Pole		8	Private aid.	19
356.40	BAHIA POINT LIGHT .... **Fl. W., 2^s**	On point		 3,000	....	Pole		30	Private aid.	19
356.45	EL CARMEL POINT SOUTH LIGHT **Fl. W., 2^s**	On point		 3,000	....	Pole		30	Private aid.	19
356.50	EL CARMEL POINT NORTH LIGHT **Fl. W., 2^s**	On point		 3,000	....	Pole		30	Private aid.	19
356.55	SANTA CLARA POINT LIGHT .... **Fl. W., 2^s**	On point		 3,000	....	Pole		30	Private aid.	19
358.61	DAWES STREET LANDING LIGHT. **Fl. W., 2^s**	.... 32 47.5	117 14.7	 3,000	....	Pole		22	Private aid.	19
	OCEANSIDE	Positions of buoys frequently shifted with changing conditions.								
360.10	— *Approach Lighted Whistle Buoy 2.* **Fl. W., 2.5^s**	In 27 feet.......... 33 11.9	117 24.1	....	....	Red				
360.15	— BREAKWATER LIGHT 3...... **Fl. W., 4^s**	On seaward end of outer breakwater. 33 12.4	117 24.1	7 350	12	SB on white skeleton tower....	36	50		19
360.16 7.01	— **Marker Radiobeacon**	On roof of building.. 33 12.6	117 23.6	....	....	....			MARKER RADIOBEA See p. XVIII for met of operation.	19
360.25 7.02	— SOUTH JETTY LIGHT 4 .... **Fl. R., 5^s**	On end of jetty 33 12.3	117 23.9	12 3,400	10	TR on pole		26	HORN, 1 blast ev 20^s (2^sbl-2^ssi 2^sbl-14^ss	19
	— Junction Buoy	....		....	....	Black and red horizontal bands; can.				
	— Buoy 5	....		....	....	Black can			White reflector.	
360.31	— LIGHT 6 .... **Qk. Fl. R.**	On elbow of south jetty. 33 12.4	117 23.9	....	....	TR on tower................		28	Obscured from 258° to 035°.	19
	— North Jetty Danger Buoy	Off end of jetty		....	....	White can with orange band near top and waterline, worded SUBMERGED JETTY in orange diamond.			Orange reflector.	
	— Buoy 7	....		....	....	Black can			White reflector.	
	— Daybeacon 8	On inner, south jetty.		....	....	TR on pole				
360.40	— LIGHT 9 .... **Qk. Fl. G.**	On end of revetment, at entrance to harbor.		....	....	SB on tower		28		19

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CAMP PENDELTON BOAT BASIN	Positions of buoys frequently shifted with changing conditions.							
	— Buoy 1	....	....	....	Black can			White reflector.	
	— Buoy 2	....	....	....	Red nun			Red reflector.	
	— Buoy 3	....	....	....	Black can			White reflector.	
	— Buoy 4	....	....	....	Red nun			Red reflector.	
	— Buoy 5	....	....	....	Black can			White reflector.	
	— Buoy 6	....	....	....	Red nun			Red reflector.	
	— Daybeacon 7	On seaward end of north groin. 33 12.9 117 24.1	....	....	SB on white skeleton tower				
	— Daybeacon 8	On seaward end of south groin. 33 12.7 117 24.1	....	....	TR on pole				
363.10	DANA POINT OUTER BREAKWATER LIGHT. Fl. R., 4^{s}	End of breakwater 33 27.3 117 41.4	8 390	10	Pole		30		1970
363.20	DANA POINT INNER BREAKWATER LIGHT. Fl. R., 4^{s}	End of breakwater 33 27.4 117 41.4	....	....	Pole		26		1970
	NEWPORT BAY (Chart 5108)								
364	— *Lighted Bell Buoy 1* Fl. G., 4^{s}	In 98 feet 33 35.1 117 52.6	....	....	Black			Ra ref.	
365 8	— WEST JETTY LIGHT 3 Fl. W., 5^{s}	On outer end of jetty. 33 35.3 117 52.7	15 15,000	12	SW on skeleton tower		44	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl).	1935
365.55 8.11	— West Jetty Marker Radiobeacon	On inner end of west jetty. 33 35.6 117 52.8	....	....	Small concrete house			MARKER RADIOBEACON: Antenna at house. See p. XVIII for method of operation.	1965
366	— EAST JETTY LIGHT 4 Fl. R., 4^{s}	On outer end of jetty. 33 35.4 117 52.6	 110	....	TR on pole		40		1936–1938
367	— CHANNEL LIGHT 5 Fl. G., 2.5^{s}	In 8 feet. 45 feet outside channel light.	7 250	8	SB on pile		12		1935–1953
368	— *Channel Lighted Buoy 6* Fl. R., 4^{s}	In 20 feet	....	....	Red				
369	— *Channel Lighted Buoy 8* Fl. R., 4^{s}	In 16 feet	....	....	Red				
370	— CHANNEL LIGHT 10 Fl. R., 2.5^{s}	In 20 feet	 100	....	TR on pile				1935–1971
370.50	— CHANNEL LIGHT 11 Qk. Fl. G.	In 18 feet, at northerly end of Bay Island. 33 36.5 117 54.2	....	....	SB on pile		12		1936–1953
371	— CHANNEL LIGHT 12 Fl. R., 2.5^{s}	In 12 feet, 15 feet outside channel limit.	 100	....	TR on pile		12		1935–1962
372	BALBOA ISLAND NORTH CHANNEL LIGHT 2. Qk. Fl. W.	In 10 feet, at west side of Collins Island. 33 36.5 117 54.0	 350	....	TR on pile		12		1936–1853
374	LIDO ISLE EAST LIGHT 2 Fl. R., 4^{s}	In 10 feet, at south easterly end of Lido Isle. 33 36.5 117 54.5	....	....	TR on pile		12		1939–1953
375.50	LIDO ISLE WEST LIGHT 4 Fl. R., 2.5^{s}	In 10 feet 33 36.7 117 55.2	 100	....	TR on white pile		12		1936–1953
376	LIDO PENINSULA LIGHT Qk. Fl. W.	In 12 feet	6 160	8	NR on pile		12		1947–1959

CALIFORNIA

ELEVENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SOUTHERN CALIFORNIA ISLANDS (Chart 5101)										
378	*Cortes Bank Lighted Whistle Buoy 2CB.* Fl. W., 4^s	In 72 feet, 0.5 mile southeast of Bishop Rock.	32 26.6	119 07.3	190		Red			Nun station buoy.	
	SAN CLEMENTE ISLAND (Chart 5111)										
379	CHINA POINT LIGHT Fl. W., 4^s	On point to westward of Pyramid Cove.	32 48.2	118 25.5	6 190	17	White pyramidal structure		112	Visible from 260° to 128 partially obscured by hills elsewhere.	1934
380	PYRAMID HEAD LIGHT Fl. G., $6^s(1^s fl)$	On east point of island.	32 49.2	118 21.1	6 150	21	White pyramidal structure		226	Visible from 147° to 095 partially obscured by hills elsewhere.	193
380.15	PYRAMID COVE ANCHORAGE LIGHT. Fl. R., 4^s	On observation post	32 50.0	118 22.9					886	Visible from 307° to 040 partially obscured by hills elsewhere.	195
381	NAVY ANCHORAGE SOUTH END LIGHT. Fl. W., 2.5^s	On point, east side of island.	32 58.5	118 31.9	7 280	18	White pyramidal structure		140	Visible from 150° to 32 partially obscured by hills elsewhere.	193
381.10	— *Lighted Test Buoy E* Fl. W., 4^s	In 3,360 feet	32 59.0	118 29.2			Orange and white horizontal bands.				
382	WILSON COVE LIGHT Fl. G., $6^s(1^s fl)$	Near northerly end of island.	33 00.2	118 33.1	8 400	17	White pyramidal structure		125	Visible from 155° to 317 partially obscured by hills elsewhere.	193
383	WILSON COVE RANGE FRONT LIGHT. F. R.	Near outer end of wharf.	33 00.4	118 33.4	300		Small house		27	Maintained by U. S. Navy.	1940
384	WILSON COVE RANGE REAR LIGHT. F. R.	On shore, 210 yards 198° from front light.			300		Small house		40	Maintained by U. S. Navy.	194
385	Wilson Cove Fog Signal	On Navy Wharf								SIREN: 1 blast ev 15^s (2^sbl).	194
386	WILSON COVE NORTH END LIGHT. Fl. W., $6^s(1^s fl)$	On north end of cove.	33 01.4	118 33.8	7 300	13	White pyramidal structure		60	Visible from 139° to 330 partially obscured by elsewhere.	183
	Wilson Cove North End Radar Buoy A.	In 38 feet	33 01.6	118 33.7			Orange and white horizontal bands; spar.			Ra ref. Maintained by U. S. Navy.	
387	— LIGHT Fl. W., 2.5^s	On headland at north end of island.	33 01.8	118 35.7	6 180	21	White pyramidal structure		202	Visible from 341° to 276 partially obscured by hills elsewhere.	193
	SAN NICOLAS ISLAND (Chart 5113)										
388	— AERO LIGHT Alt. Gp. Fl. W. & G., 10^s (2 W.+1 G.)		33 14.3	119 30.2	1,100,000				981	Maintained by U. S. Na	
389	— SOUTH SIDE LIGHT Fl. W., $6^s(1^s fl)$	On south side of island.	33 13.0	119 28.1	150		White pyramidal structure		50	Visible from 262° to 101 partially obscured by hills elsewhere.	193
390	— *East End Lighted Whistle Buoy 1.* Fl. W., 4^s	In 90 feet	33 13.4	119 23.8	180		Black			Ra ref.	
391	— EAST END LIGHT Fl. G., 4^s	On point, easterly end of island.	33 13.8	119 26.1	6 200	12	White pyramidal structure		55	Visible from 155° to 010 partially obscured by elsewhere.	1939–195

CALIFORNIA

ELEVENTH DISTRICT

1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SOUTHERN CALIFORNIA ISLANDS									
	SAN NICOLAS ISLAND									
92	—NORTH SIDE LIGHT **Fl. W., 6ˢ(1ˢfl)**	On north side of island.	33 15.5	119 27.9	8 500	11	White pyramidal structure	33	Visible from 117° to 308;, partially obscured by hills elsewhere.	1939
93	*Begg Rock Lighted Whistle Buoy 2.* **Fl. W., 4ˢ**	In 312 feet, 500 yards 345° from rock.	33 21.0	119 41.8	 180	....	Red			
	SANTA CATALINA ISLAND (Chart 5112)									
394	—EAST END LIGHT **Fl. W., 6ˢ(1ˢfl)**	At southeast point of island.	33 18.1	118 19.0	7 300	21	White pyramidal structure	212	Visible from 253° to 068°, partially obscured by hills elsewhere.	1934
395	**Avalon Radiobeacon**	On Casino Point	33 20.9	118 19.5	....	....	....		MARKER RADIOBEACON: See p. XVIII for method of operation.	1960
395.20	AVALON BAY LIGHT 1 **Fl. W., 2.5ˢ**	On end of peninsula	33 20.7	118 19.3	8 500	9	SB on pole	21		1971
395.30	AVALON BAY LIGHT 2 **Fl. R., 4ˢ**	On end of jetty	33 20.9	118 19.4	6 130	9	TR on pole	21		1971
396	LONG POINT LIGHT **Fl. W., 2.5ˢ**	On point, northeasterly side of island.	33 24.4	118 21.9	6 120	14	White pyramidal structure	71		1934
397	SHIP ROCK LIGHT **Fl. W., 4ˢ**	On rock	33 27.8	118 29.4	6 190	14	White pyramidal structure	75		1935
398	*Isthmus Cove East Entrance Lighted Buoy 2.* **Fl. R., 4ˢ**	In 96 feet, southwest side of Harbor Reefs.	33 26.8	118 29.3	....	....	Red		Ra. ref.	
	Isthmus Cove North Entrance Buoy 1.	In 126 feet, westerly of Harbor Reefs.	33 26.9	118 29.6	....	....	Black can		White reflector.	
	Isthmus Cove Northwest Entrance Buoy 2.	In 60 feet, marks sunken Eagle Reef.	33 27.7	118 30.4	....	....	Red nun		Ra ref. Red reflector.	
399	—WEST END LIGHT **Fl. W., 6ˢ(1ˢfl)**	At westerly end of island.	33 28.7	118 36.3	7 300	14	White pyramidal structure	76	Visible from 336° to 226°, partially obscured by hills elsewhere.	1934
	SANTA BARBARA ISLAND (Chart 5110)									
400	—LIGHT **Fl. W., 2.5ˢ**	On northeasterly point of island.	33 29.3	119 01.8	6 115	20	White pyramidal structure	195	Visible from 069° to 356°, partially obscured by hills elsewhere.	1929
	SANTA CRUZ ISLAND (Chart 5115)									
400.55	*General Motors Acoustic Range Lighted Buoy A.* **Fl. W., 2.5ˢ**	In 60 feet	33 58.9	119 39.8	....	....	White		Private aid.	
	General Motors Acoustic Range Buoy B.	In 60 feet			....	....	White sphere		Private aid.	
	General Motors Acoustic Range Buoy C.	In 60 feet			....	....	White sphere		Private aid.	
	General Motors Acoustic Range Buoy D.	In 60 feet			....	....	White sphere		Private aid.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks Year
	CALIFORNIA						ELEVENTH DISTRIC
	SOUTHERN CALIFORNIA ISLANDS						
	SANTA CATALINA ISLAND						
400.56	*General Motors Accoustic Range Lighted Buoy E.* **Fl. W.,** 5^{s} (1^{s}fl)	In 95 feet 33 58.8 119 38.6	....	....	Orange and white horizontal bands.		Private aid.
401	GULL ISLAND LIGHT **Fl. W.,** 4^{s}	Off south side of Santa Cruz Island. 33 56.9 119 49.5	6 200	14	White pyramidal structure	73	Visible from 265° to 1 partially obscured hills elsewhere. 1934 – 1
	SANTA ROSA ISLAND						
402	SOUTH POINT LIGHT **Fl. W.,** 6^{s}(1^{s}fl)	On southerly point of island. 33 53.8 120 07.1	9 1,000	31	Small white house	530	Visible from 272° to 1 partially obscured b hills elsewhere. 1927 – 1
	(Charts 5115, 5116)						
	SAN MIGUEL ISLAND (Chart 5116)						
403	*Point Bennett Lighted Whistle Buoy 4.* **Fl. R.,** 4^{s}	In 102 feet, off west end of island. 34 01.3 120 27.8	....	....	Red		
404	*Richardson Rock Lighted Whistle Buoy 8.* **Fl. W.,** 4^{s}	In 270 feet, northwest of rock. 34 06.5 120 31.6	 180	....	Red		
	SAN PEDRO BAY (Chart 5148)						
	ANAHEIM BAY						
404.55	—*Entrance Lighted Bell Buoy 1* **Fl. W.,** 4^{s}	In 45 feet	 100	....	Black		Ra ref.
404.56	—*Entrance Lighted Whistle Buoy 2.* **Qk. Fl. R.**	In 40 feet 33 43.0 118 06.5	....	....	Red		Ra ref.
405	—RANGE FRONT LIGHT **Fl. G.,** 2.5^{s}	On shore 33 44.2 118 05.5	....	....	KWB on skeleton tower	45	2,500 cp visible 4° e side of rangeline. 1
406	—RANGE REAR LIGHT **Fl. G.,** 2.5^{s}	200 yards 036°48′ from front light.	....	....	KWB on skeleton tower	57	2,500 cp visible 4° e side of rangeline. Range lights are synchronized. 1
406.55	—*Entrance Lighted Bell Buoy 3* **Fl. G.,** 4^{s}	In 40 feet	....	....	Black		Ra ref.
406.56	—*Entrance Lighted Buoy 4* **Fl. R.,** 4^{s}	In 41 feet	....	....	Red		Ra ref.
407	—WEST JETTY LIGHT 5 **Fl. W.,** 2.5^{s}	On outer end of jetty.	8 600	11	SB	35	HORN, diaphragm; 2 ev 20^{s}(2^{s}bl-2^{s}si-2 14^{s}si. 1
408	—EAST JETTY LIGHT 6 **Fl. R.,** 2.5^{s}	On outer end of jetty.	6 110	10	TR	27	1
	—Channel Buoy 7	In 29 feet	....	....	Black can		White reflector.
	—Channel Buoy 8	In 46 feet	....	....	Red nun		Red reflector.
411	—CHANNEL LIGHT 9 **Fl. G.,** 4^{s}	In 36 feet 34 44.1 118 05.7	 120	....	SB on dolphin	15	1945 – 1
412	—CHANNEL LIGHT 10 **Fl. R.,** 4^{s}	In 36 feet	 130	....	TR on dolphin	15	1

(1)	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN PEDRO BAY										
	ALAMITOS BAY										
13	— EAST JETTY LIGHT 2 **Fl. R., 2.5^{s}**	On outer end of east jetty.	33 44.2	118 07.2	 160	....	TR on concrete pyramid		25		1955
14	— WEST JETTY LIGHT 1 **E. Int. G., 6^{s}**	On outer end of west jetty.			 1,600	....	SB on concrete pyramid		25	HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl).	1955
15	— CHANNEL LIGHT 3 **Fl. G., 2.5^{s}**	On bank of Alamitos Bay Entrance Channel.	33 44.7	118 07.0	....	....	SW on pole		16		1962
	LONG BEACH HARBOR										
16	LONG BEACH BREAKWATER EAST END LIGHT. **Fl. W., 6^{s} (1^{s}fl)**	52 feet in from east end.	33 43.4	118 08.2	9 800	12	SB on skeleton tower		43	HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl).	1951
16.55	*U. S. Navy Lighted Mooring Buoy 32.* **3 Fl. W., 6^{s}**	In 52 feet	33 43.8	118 10.0	....	....	White			Maintained by U. S. Navy.	
	Alamitos Bay Yacht Course Buoy A-	In 50 feet			....	....	Orange and white horizontal bands; spar.			Private aid.	
	Alamitos Bay Yacht Course Buoy B-	In 54 feet			....	....	Orange and white stripes; spar			Private aid.	
	Alamitos Bay Yacht Course Race Buoy C.	In 17 feet.	33 44.5	118 07.6	....	....	Orange and white horizontal banded spar.			Private aid.	
	Alamitos Bay Yacht Course Race Buoy D.	In 18 feet.	33 44.9	118 08.0	....	....	Orange and white horizontal banded spar.			Private aid.	
	Alamitos Bay Yacht Course Race Buoy E.	In 20 feet.	33 45.2	118 08.3	....	....	Orange and white horizontal banded spar.			Private aid.	
417	Belmont Pier Fog Signal	On outer end of pier	33 45.3	118 08.9	....	....	....			HORN, diaphragm; 1 blast ev 20^{s}(2^{s}bl). Private aid.	1937–1951
418	NAVY LANDING ENTRANCE LIGHT. **Fl. W., 6^{s} (2^{s}fl)**	On Lifeguard Building, on end of east jetty.	33 45.7	118 11.9	 190	....	....		31	HORN: 2 blasts ev 30^{s} (2^{s}bl-1^{s}si-2^{s}bl-25^{s}si). Private aid.	1960
419	NAVY LANDING WEST LIGHT **F. G.**	On end of west jetty.			....	....	Pole		27	Private aid.	1960
	Los Angeles River Daybeacons A, B.	On bank	33 45.9	118 12.3	....	....	NW worded SILL on pole			Private aids.	
	Los Angeles River Danger Buoys A, B, C.	....			....	....	White can with orange band near top and waterline, orange diamond worded SILL.			Orange reflector. Private aids.	
421	PIER J LIGHT J **Fl. W., 4^{s}**	....	33 44.3	118 11.1	7 350	....	NR on pole		26		1962–1965
	LONG BEACH CHANNEL										
423	— *Approach Lighted Whistle Buoy LB.* **Mo. (A) W.**	In 67 feet	33 42.7	118 11.0	 250	....	Black and white vertical stripes.			Ra ref.	
424	— ENTRANCE LIGHT 2 **E. Int. R., 6^{s}(3^{s}fl)**	60 feet from west end of Long Beach Breakwater.	33 43.4	118 10.8	11 1,800	12	TR on white skeleton tower		41	HORN, diaphragm; 1 blast ev 15^{s}(2^{s}bl).	1949
425 11	**LONG BEACH LIGHT** **Fl. W., 5^{s}**	On east end of Middle Breakwater.	33 43.4	118 11.2	23 420,000	13	White rectangular tower on white building on columnar base.	42	50	MARKER RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	1949

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA									**ELEVENTH DISTRIC**	
	SAN PEDRO BAY										
	LONG BEACH CHANNEL										
426 12	PIER A LIGHT **Fl. W., 30^{s}**	Atop Port Administration Building.	33 45.2	118 12.0	800,000				147	Private aid.	196
428	PIER J LIGHT 4 **Fl. R., 2.5^{s}**		33 44.3	118 12.2	190		TR on pole		26	HORN, diaphragm; 1 bl ev 10^{s} (1^{s}bl). Highe intensity beam up and down channel.	1962–196
436	PIER F LIGHT F **E. Int. W., 6^{s}**	On south corner of pier.	33 44.4	118 12.4	9 900		NR on pole		26		196
437	*Long Beach Midchannel Lighted Buoy A.* **Mo. (A) W.**	In 77 feet	33 44.4	118 12.6	130		Black and white vertical stripes.			Ra ref.	
439	— LIGHT 6 **Fl. R., 2.5^{s}**	On shore, 100 feet outside channel limit.	33 44.8	118 12.9	100		TR on pole		20	HORN, diaphragm; 1 bl ev 15^{s}(2^{s}bl). Highe intensity beam up anc down channel. Synch rozined with — Light	1929–196
440	NAVAL BASE MOLE LIGHT 5 **Fl. G., 2.5^{s}**	On east end of mole on west side of channel 150 feet outside channel limit.	33 44.7	118 13.0	6 150	10	SB on pole		26	HORN, diaphragm; 2 blasts ev 20^{s}(2^{s}bl-2^{s}si-2^{s}bl-14^{s}si). Higher intensity bea up and down channel. Synchronized with — Light 6.	1945–19
441	*Long Beach Midchannel Lighted Buoy B.* **Mo. (A) W.**	In 60 feet	33 45.0	118 13.0	130		Black and white vertical stripes.				
442	— LIGHT 8 **Fl. R., 2.5^{s}**	On southwest corner of Pier D Wharf.			6 190	9	TR on pole		20	HORN, diaphragm; 2 blasts ev 30^{s}(2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1933–19
443	Long Beach Pier E Fog Signal	On east side of Pier E.	33 45.4	118 13.1						HORN: 1 blast ev 30^{s} (2^{s}bl). Private aid.	194
444	LONG BEACH BERTH 118 LIGHT. **F. G.**	At end of pier	33 45.7	118 13.2			Dolphin		15	Private aid.	196
	— Outfall Daybeacon 13	In 25 feet	33 45.9	118 13.3			SW on pile			Private aid.	
	LOS ANGELES CHANNEL										
447	— *Approach Lighted Bell Buoy LA.* **Mo. (A) W.**	In 60 feet	33 42.0	118 14.5	250		Black and white vertical stripes.			Ra ref.	
448 13	**LOS ANGELES LIGHT** **Fl. G., 15^{s}** Resident Personnel.	On outer end of San Pedro Breakwater	33 42.5	118 15.0	22 200,000	14	White cylindrical tower, black pilasters, on concrete block.	69	73	RADIOBEACON: See XVIII for method of operation. HORN, diaphragm; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si). Storm warning signals displayed day and nig Special Direction Finde Calibration Service, see p. XIX.	191
449	LOS ANGELES MAIN CHANNEL ENTRANCE LIGHT 2. **E. Int. R., 6^{s}**	On west end of Middle Breakwater.	33 42.6	118 14.6	11 1,800	12	TR on white skeleton tower on white concrete house.		42	HORN, diaphragm; 1 blast ev 10^{s} (1^{s}bl.	19

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
						CALIFORNIA		ELEVENTH DISTRICT	
	SAN PEDRO BAY								
	LOS ANGELES CHANNEL								
. 11	LOS ANGELES MAIN CHANNEL RANGE FRONT LIGHT. **Fl. G., 2.5^{s}**	33 43.3	118 16.2			TR on pole	77	4,000 cp visible 4° each side of rangeline with lower intensity elsewhere.	1969
. 12	LOS ANGELES MAIN CHANNEL RANGE REAR LIGHT. **Fl. G., 2.5^{s}**	125 yards 302° from front light.				TR on building	94	4,000 cp visible 4° each side of rangeline with lower intensity elsewhere. Flashes simultaneously with front light.	1969
)	*Los Angeles Main Channel Lighted Buoy 4.* **Fl. W., 4^{s}**	In 43 feet 33 42.9	118 15.2	130		Red			
1	*Los Angeles Main Channel Lighted Bell Buoy 3.* **Qk. Fl. G.**	In 40 feet				Black			
2	— LIGHT 5 **Fl. G., 2.5^{s}**	In 22 feet, 140 feet outside channel limit. 33 43.0	118 16.1	1,500		SB on house on pile structure	22	BELL: 1 stroke ev 10^{s}.	1935–1956
3	— LIGHT 6 **Fl. R., 2.5^{s}**	In 24 feet, 200 feet outside channel limit.		1,600		TR on house on pile structure	25	HORN, diaphragm; 1 blast ev 15^{s}(2^{s}bl).	1929–1954
7	— LIGHT 10 **F. R.**	In 30 feet, 75 feet... outside channel limit.		250		Red iron post on concrete pier	10	Private aid.	1932–1935
	LOS ANGELES EAST BASIN CHANNEL								
1	— LIGHT 1 **Fl. G., 4^{s}**	In 22 feet, at north east corner of turning basin, west side of entrance to channel to Wilmington wharves. 33 45.2	118 16.0	7 250	9	SB on dolphin	20	HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	1924–1964
63	— LIGHT 2 **Fl. R., 4^{s}**	Marks northeast limit of turning basin. 33 45.9	118 15.2			TR on pile	15		1960–1968
	— Buoy 4	In 24 feet, marks shoal extending into channel.				Red nun		Ra ref. Red reflector.	
	CERRITOS CHANNEL								
64	— *Lighted Buoy 1* **Fl. G., 4^{s}**	In 44 feet, marks southeast limit of turning basin.				Black			
	NAVAL BASE MOLE								
70	— LIGHT 2 **Fl. R., 4^{s}**	On south side of mole. 33 44.4	118 13.8			TR on white pyramidal structure.	25		1945
71	— LIGHT 4 **Fl. R., 4^{s}**	On southwest side of mole. 33 44.5	118 14.4			TR on white pyramidal structure.	25		1945

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA						ELEVENTH DISTRICT	
	SAN PEDRO BAY							
	NAVY AIR BASE							
471. 11	—JETTY LIGHT 1.............. **F. W.**	On end of jetty on south side of Terminal Island. 33 44.9 118 14.9	 1,100	....	SW on tower..................	20		196
	Berth 302 Test Buoy A	.... 33 44.2 118 15.4	....	....	Orange and white horizontal bands; spar.		Private aid.	
	Berth 302 Test Buoy B	.... 33 44.0 118 15.5	....	....	Orange and white horizontal bands; spar.		Private aid.	
	Los Angeles Dumping Area Buoys C, D, E, F, G, H.	In 15 feet.......... 33 44.1 118 15.4	....	....	Orange and white horizontal bands; spars.		Private aids.	
	FISH HARBOR							
472	—*Channel Approach Lighted Buoy 2.* **Fl. R., 4^{s}**	In 26 feet, 75 feet outside channel limit. 33 43.5 118 15.6	....	....	Red			
473	—CHANNEL LIGHT 3.......... **Fl. G., 4^{s}**	On end of outer west jetty, 30 feet outside channel limit.	....	....	SB on black skeleton tower....	25	Higher intensity beam down channel. HORN, diaphragm; 1 bla ev 10^{s} (1^{s}bl).	19
474	—CHANNEL LIGHT 4.......... **Fl. R., 4^{s}**	On end of outer east jetty, 100 feet outside channel limit.	....	....	TR on red skeleton tower......	25	Higher intensity beam down channel.	1932–19
	—Channel Buoy 3A.............	In 13 feet..........	....	....	Black can..................		White reflector. Privat aid.	
	—Cannery Channel Buoy 2	In 23 feet	....	....	Red nun		White reflector. Privat aid.	
	—Cannery Channel Buoy 4	In 23 feet	....	....	Red nun		White reflector. Private aid.	
475	—CHANNEL LIGHT 6.......... **F. R.**	In 12 feet, at end of inner east jetty, 30 feet outside channel limit.	....	....	TR on red daymark on pile structure.	25	Higher intensity beam down channel.	1919–19
476	—CHANNEL LIGHT 5.......... **F. G.**	On end of inner west jetty.	....	....	SB on black daymark on pile...		Higher intensity beam down channel.	1919–196
	SAN PEDRO EAST CHANNEL							
476. 11	—RANGE FRONT LIGHT .... **F. Amber**	.... 33 43.5 118 16.5	 1,300	....	Parapet wall	35	Private aid.	19
476. 12	—RANGE REAR LIGHT .... **F. Amber**	65 yards 342° from front light.	 1,300	....	Pole on roof	45	Private aid.	19
	SAN PEDRO WEST CHANNEL							
478	—*Lighted Buoy 1*............... **Fl. G., 4^{s}**	In 34 feet.......... 33 42.7 118 16.4	....	....	Black...................... ..			
479	—LIGHT 2.................... **Fl. R., 4^{s}**	On pier............ 33 42.8 118 16.4	6 200	11	TR on pole..................	33		19
479. 11	— APPROACH RANGE FRONT LIGHT. **F. Amber**	.... 33 42.6 118 16.9	 1,300	....	Red striped pole	61	Private aid.	19
479.12	— APPROACH RANGE REAR LIGHT. **F. Amber**	220 yards 255° from front light.	 1,300	....	Red striped pole	86	Private aid.	19
480	—*Lighted Buoy 3*............... **Fl. G., 4^{s}**	In 27 feet..........	....	....	Black......................			

CALIFORNIA

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN PEDRO BAY										
	CABRILLO BEACH										
	—Yacht Course Buoy A	In 40 feet	33 42.6	118 16.7	....	....	Orange and white horizontal bands; nun.			Private aid.	
	—Yacht Course Buoy B	In 40 feet	33 42.3	118 16.0	....	....	Orange and white horizontal bands; nun.			Private aid.	
	—Yacht Course Buoy D	In 45 feet	33 42.5	118 15.1	....	....	Orange and white horizontal bands; nun.			Private aid.	
	—Yacht Club Race Buoy R	In 45 feet	33 43.5	118 11.8	....	....	Orange and white horizontal bands; nun.			Private aid.	
	—Yacht Course Buoy U	In 30 feet	33 44.6	118 13.1	....	....	Orange and white horizontal bands, nun.			White reflector. Private aid.	
	—Ski Pattern Buoys A, B, C, D, E, F, G.	In 6 to 18 feet			....	....	Orange and white can			Private aids.	
	SANTA MONICA BAY (Chart 5144)										
	Palos Verdes Yacht Club Race Course Buoy P.	In 220 feet	33 47.8	118 26.4	....	....	Orange and white spar			Orange reflector. Private aid.	
	Palos Verdes Yacht Club Race Course Buoy V.	In 48 feet	33 48.5	118 24.1	....	....	Orange and white spar			Orange reflector. Private aid.	
	Redondo Canyon Fish Haven Buoy A.	In 80 feet	33 50.3	118 24.6	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy A.	....	33 50.4	118 25.8	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy F.	....	33 50.1	118 26.9	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy H.	....	33 48.8	118 25.2	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy S.	....	33 50.8	118 24.7	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy T.	In 30 feet	33 50.8	118 24.2	....	....	Orange and white horizontal bands; spar.			Private aid.	
	King Harbor Yacht Course Buoy Y.	In 79 feet	33 50.2	118 24.5	....	....	Orange and white horizontal bands; spar.			Private aid.	
	REDONDO HARBOR										
481	—LIGHT **Fl. W., 10ˢ**	On top of generating station.	33 50.9	118 23.6	 700,000	....	....	145	165	Private aid.	
482	— *Entrance Lighted Bell Buoy 1* **Fl. W., 4ˢ**	In 132 feet	33 50.3	118 23.8	 100	....	Black				
482.10	REDONDO BEACH WEST JETTY LIGHT 3. **E. Int. W., 6ˢ**	On end of breakwater.	33 50.5	118 23.7	14 8,000	11	SB on column		35	HORN, diaphragm; 1 blast ev 15ˢ (2ˢbl).	1960
482.11	REDONDO BEACH EAST JETTY LIGHT 2. **Fl. R., 2.5ˢ**	On end of east jetty	33 50.5	118 23.6	 160	....	TR on pole		20		1964
482.16	MOLE C LIGHT **F. R.**	On timber baffle			....	....	Pole		17	Private aid.	1965
482.21	PORTOFINO LIGHT 1 **F. G.**	On timber baffle			....	....	Pole			Private aid.	1964
482.22	PORTOFINO LIGHT 2 **F. R.**	On timber baffle			....	....	Pole			Private aid.	1964
482.31	KING HARBOR LIGHT 1 **F. G.**	On timber baffle			....	....	Pole		17	Private aid.	1965
482.32	KING HARBOR LIGHT 2 **F. R.**	On timber baffle			....	....	Pole			Private aid.	1964
	— Intake Obstruction Buoys (2)	In 30 feet	33 50.7	118 23.9	....	....	Red and black horizontal bands; can.			White reflector. Private aids.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Yea
	CALIFORNIA								ELEVENTH DISTRI	
	SANTA MONICA BAY									
	Hermosa Beach Fish Haven Buoy	In 55 feet	33 51.2	118 24.6	....	....	Orange and white horizontal bands; spar.		Private aid.	
483	Hermosa Beach Pier Fog Signal	On end of pier	33 51.7	118 24.3	....	....	....		HORN, diaphragm; 1 blast ev $15^s(2^sbl)$. Private aid.	1
484	*El Segundo Lighted Bell Buoy 6* **Fl. W.,** 4^s	In 102 feet, marks tanker mooring inshore.	33 54.5	118 27.5	....	....	Red		Ra ref. Private aid.	
	El Segundo Special Purpose Buoy A.	In 60 feet	33 54.8	118 26.8	....	....	Orange and white horizontal bands; spar.		Private aid.	
	El Segundo Buoy 8	In 28 feet	33 54.4	118 25.9	....	....	Red nun		Private aid.	
	El Segundo Danger Buoy South	In 28 feet	33 54.5	118 25.8	....	....	White with orange band near top and waterline worded DANGER in orange diamond.		Orange reflector. Pri aid.	
	El Segundo Buoy 10	In 30 feet, marks seaward end of water circulating tunnel.	33 54.5	118 26.0	....	....	Red nun		Private aid.	
	El Segundo Danger Buoy North	In 29 feet, marks seaward end of water circulating tunnel.	33 54.5	118 25.9	....	....	White with orange band near top and waterline worded DANGER in orange diamond.		Orange reflector. Pr aid.	
	Scattergood Intake Buoy 12	In 25 feet, marks cap on intake line.	33 55.0	118 26.1	....	....	Red nun		Private aid.	
	Hyperion Outfall Obstruction Buoy.	In 50 feet, at seaward end of submerged sewer.	33 55.1	118 26.8	....	....	Red and black horizontal bands; nun.		Private aid.	
	Hyperion Marker Buoy	In 29 feet on south side of submerged sewer.	33 55.3	118 26.3	....	....	White can with orange band near top and waterline with orange diamond worded DANGER.		Private aid.	
	— Yacht Course Buoy A	In 120 feet	33 56.9	118 30.1	....	....	Orange and white vertical stripes; spar.		Private aid.	
	— Yacht Course Buoy B	In 162 feet	33 56.5	118 31.4	....	....	Orange and white vertical stripes; spar.		Private aid.	
	— Yacht Course Buoy C	In 72 feet	33 56.4	118 28.7	....	....	Orange and white horizontal bands; spar.		Private aid.	
	— Yacht Course Buoy D	In 42 feet	33 57.5	118 28.0	....	....	Orange and white vertical stripes; spar.		Private aid.	
	— Yacht Course Buoy E.	In 72 feet	33 58.1	118 29.4	....	....	Orange and white horizontal bands; spar.		White reflector. Pri aid.	
	— Yacht Course Buoy S	In 60 feet	33 57.3	118 28.6	....	....	Orange and white vertical stripes; spar.		Private aid.	
	MARINA DEL REY									
485.10	— DETACHED BREAKWATER LIGHT 1. **Fl. W.,** 5^s	On southeast end of detached breakwater.	33 57.5	118 27.5	15 15,000	10	SB on pole	30	HORN, diaphragm; blasts ev 20^s (2^s 2^ssi-2^sbl-14^ssi).	
485.11	— DETACHED BREAKWATER NORTH LIGHT 2. **Qk. Fl. R.**	On north end of detached breakwater.	33 57.8	118 27.8	 110	....	TR on pole	23		
485.21	— LIGHT 3 **E. Int. W.,** 6^s	On outer end of north jetty.	33 57.8	118 27.6	9 900	12	SB on white tower	45		
485.22	— LIGHT 4 **Fl. R.,** 2.5^s	On outer end of south jetty.	33 57.6	118 27.5	 135	....	TR on white tower	45		

CALIFORNIA

ELEVENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SANTA MONICA BAY							
	MARINA DEL REY							
5.31	— **Radiobeacon**	On north jetty 33 57.8 118 27.5					MARKER RADIOBEACON: See p. XVIII for method of operation.	1963
	— North Jetty Shoal Buoy 3A	In 20 feet			Black can		Private aid.	
	— North Jetty Shoal Buoy 3B	In 20 feet 33 57.9 118 27.3			Black can		Private aid.	
	— North Jetty Shoal Buoy 3C	In 20 feet			Black can		Private aid.	
5.35	— PIER LIGHT Fl. R., 4^s	On southwest corner of pier. 33 58.1 118 26.8			Pole	15		1966
5.41	— LIGHT 5 F. G.	On shore 33 58.3 118 26.9				3	Private aid.	1963
5.43	— LIGHT 7 F. G.	Marks south side of entrance to basin A.				3	Private aid.	1963
5.44	— LIGHT 9 F. G.	In 10 feet			Pile	3	Private aid.	1967
5.45	— LIGHT 10 F. R.	In 10 feet			Pile	3	Private aid.	1967
5.46	— LIGHT 11 F. G.	In 10 feet			Pile	3	Private aid.	1967
5.51	— LIGHT 13 F. G.	Marks north side of entrance to Basin B.				3	Private aid.	1965
35.53	— LIGHT 15 F. G.	Marks south side of entrance to Basin C.				3	Private aid.	1965
35.54	— LIGHT 16 F. G.	In 10 feet			Pile	3	Private aid.	1967
35.55	— LIGHT 17 F. G.	In 10 feet			Pile	3	Private aid.	1968
35.56	— LIGHT 19 F. G.	In 10 feet			Pile	3	Private aid.	1968
485.80	— LIGHT 20 F. G.	In 10 feet			Pile	3	Private aid.	1967
485.81	— LIGHT 21 F. G.	Marks north side of entrance to Basin D.				3	Private aid.	1964
85.82	— LIGHT 22 F. G.	In 10 feet			Pile	3	Private aid.	1967
85.83	— LIGHT 23 F. G.	Marks south side of entrance to Basin E.				3	Private aid.	1964
	— Fish Haven Buoy A	In 72 feet 33 57.8 118 29.0			Orange and white horizontal bands.		Private aid.	
	— Fish Haven Buoy B	In 72 feet 33 57.9 118 29.2			Orange and white horizontal bands.		Private aid.	
486	Venice Fishing Pier Fog Signal	On house near end of pier. 33 58.6 118 28.2					HORN, diaphragm; 1 blast ev 10^s(2^sbl). Private aid.	1965
487	*Santa Monica Entrance Lighted Bell Buoy 1.* Fl. G., 4^s	In 38 feet 34 00.2 118 30.2			Black		Ra ref.	
488	Santa Monica Fog Signal	On end of pier 34 00.5 118 30.0					HORN, diaphragm; 2 blasts ev 30^s (2^sbl-2^ssi-2^sbl-24^ssi). Private aid.	1968
	Santa Monica Breakwater South End Daybeacon.	On south end of detached breakwater. 34 00.4 118 30.1			NW worded DANGER JETTY on pole.	10	Private aid.	
	Santa Monica Breakwater North End Daybeacon.	On north end of detached breakwater. 34 00.5 118 30.3			NW worded DANGER JETTY on pole.	10	Private aid.	

(1) No.	(2) Name / Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SANTA MONICA BAY									
	Santa Monica Fish Haven Buoy	In 55 feet 34 01.9	118 31.7			Orange and white horizontal bands; spar.			Private aid.	
	Will Rogers Beach Electrode Marker Buoy A.	In 48 feet 34 01.4	118 33.2			Orange and white spar			Private aid.	
	Will Rogers Beach Electrode Marker Buoy B.	In 48 feet 34 01.4	118 33.4			Orange and white spar			Private aid.	
	Malibu Fish Haven Buoy	In 55 feet 34 01.9	118 39.0			Orange and white horizontal bands; spar.			Private aid.	
	Malibu Race Course Buoy B	In 24 feet				Orange and white banded spar			Private aid.	
489	Paradise Cove Fog Signal	Atop building near end of pier. 34 01.3	118 47.2						HORN, diaphragm; 1 blast ev 30^{s} (5^{s}bl). Private aid.	195
	SANTA BARBARA CHANNEL (Chart 5202)									
	Oxnard Sewer Outfall Buoy A	In 52 feet 34 07.5	119 11.8			Orange and white horizontal bands; spar.			Private aid.	
	PORT HUENEME (Chart 5120)									
490 20	**POINT HUENEME LIGHT** **Fl. W., 5^{s}** Resident Personnel.	North side of east entrance to Santa Barbara Channel. 34 08.7	119 12.5	22 200,000	13	White square tower on fog signal building.	48	52	MARKER RADIOBEAC See p. XVIII for meth of operation. Obscur from 155° to 296°. HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl) o point 251° from light.	1874–194
	— Sewer Outfall Buoy	In 50 feet, marks end of sewer. 34 08.0	119 12.5			Orange and white horizontal bands; spar.			Private aid.	
491	—*Entrance Lighted Bell Buoy 2* **Fl. R., 4^{s}**	In 84 feet 34.08.5	119 12.8			Red			Ra ref.	
492	— RANGE FRONT LIGHT **F. R.**	On shore 34 09.2	119 12.3			NR, point up, on pole		43	20,000 cp visible 4° ea side of rangeline. Maintained by U. S. Navy.	1940–19
493	— RANGE REAR LIGHT **Occ. R., 3^{s} (2^{s}lt)**	365 yards 307° from front light.				NR, point down, on pole		53	25,000 cp visible 4° e side of rangeline. Maintained by U. S. Navy.	1940–19
494	— WEST JETTY LIGHT 1 **Fl. G., 2.5^{s}**	On outer end of jetty. 34 08.6	119 12.8			SW on pole		37		1940–19
495	— CHANNEL LIGHT 3 **F. G.**	In 36 feet, 30 feet outside channel limit. 34 08.7	119 12.7	140		Dolphin		24	Maintained by U. S. Navy.	1947–19
496	— CHANNEL LIGHT 4 **F. R.**	In 36 feet, 30 feet outside channel limit.		140		Dolphin		24	Maintained by U. S. Navy.	1947–19
	CHANNEL ISLANDS HARBOR									
497	— BREAKWATER SOUTH LIGHT 1. **Fl. W., 6^{s} (1^{s}fl)**	On end of breakwater. 34 09.3	119 13.7	9 700	11	SB on square platform on white column.		35		19
498	— BREAKWATER NORTH LIGHT. **Fl. W., 4^{s}**	On end of breakwater.		7 350	11	TR on square platform on white column.		35		19
499.10	— SOUTH JETTY LIGHT 2 **Fl. R., 2.5^{s}**	On outer end of jetty. 34 09.3	119 13.6	6 170		TR on square platform on white column.		35	HORN, diaphragm; 1 bl ev 30^{s} (3^{s}bl).	19
499.11	— NORTH JETTY LIGHT 3 **Fl. G., 6^{s} (1^{s}fl)**	On outer end of jetty. 34 09.4	119 13.7	6 140	11	SB on square platform on white column.		35		19

(1) o.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA								ELEVENTH DISTRICT	
	SANTA BARBARA CHANNEL									
	CHANNEL ISLANDS HARBOR									
99.12	SOUTH JETTY LIGHT 4......... **Fl. R., 4^s**	On shore.......... 34 09.5	119 13.4	5 105	10	TR on pole..................		25	Obscured from 230° to 060°.	1968
99.13	—NORTH JETTY LIGHT 5...... **Fl. G., 4^s**	On shore.......... 34 09.6	119 13.4	....	10	SB on pole..................		25		1968
	SANTA BARBARA CHANNEL									
04	*Mandalay Beach Lighted Buoy* .... **Fl. W., 4^s**	.... 34 12.0	119 16.2	....	....	Orange and white horizontal bands.			Private aid.	
	VENTURA (Chart 5120)									
04.15	—*Marina Entrance Lighted Whistle Buoy 2.* **Fl. W., 2.5^s**	In 48 feet.......... 34 14.3	119 16.9	....	....	Red........................			Ra ref.	
04.55	*Union Ventura Lighted Bell Buoy 4.* **Fl. W., 4^s**	In 43 feet.......... 34 14.9	119 17.1	 120	....	Red........................			Ra ref. Private aid.	
05	—MARINA LIGHT 3 .... **Fl. W., 10^s(1^{s}fl)**	On end of north jetty. 34 14.9	119 16.2	9 1,000	11	White tower		31	Private aid.	1963
06	—MARINA LIGHT 4 .... **Fl. R., 4^s**	On end of south jetty.		....	11	White tower............		31	HORN, diaphragm; 1 blast ev 10^s(1^{s}bl). Private aid.	1963
	—Marina Channel Buoy 6........	....		....	....	Red nun....................			Red reflector.	
07.55	*Getty Ventura Lighted Buoy 6* .... **Fl. W., 10^s(1^{s}fl)**	In 43 feet 34 15.8	119 18.0	 110	....	Red			Private aid.	
	SANTA BARBARA HARBOR (Chart 5120)									
	Santa Barbara Sewer Outfall Outer Buoy.	In 42 feet.......... 34 24.4	119 40.7	....	....	Orange and white horizontal bands; can.			Private aid.	
09	—BREAKWATER LIGHT........ **E. Int. W., 6^s**	On end of break-water. 34 24.3	119 41.2	14 8,000	11	NR on white column...........		35		1930–1967
09.10	—GROIN LIGHT .... **Qk. Fl. W.**	On end of rock groin. 34 24.4	119 41.4	6 200	....	Pole			Private aid.	1966
510	—*Lighted Bell Buoy 1*........... **Fl. G., 4^s**	In 48 feet.......... 34 24.1	119 40.7	....	....	Black......................			Ra ref.	
	—Buoy 3......................			....	....	Black can..................				
	—Buoy 5......................	Positions frequently shifted with changing conditions.		....	....	Black can..................			White reflector.	
	—Buoy 6......................			....	....	Red nun....................				
	—Buoy 7......................			....	....	Black can..................			White reflector.	
	—Buoy 8......................			....	....	Red nun....................			Red reflector.	
511	STEARNS WHARF LIGHT 4...... **Fl. R., 6^s(1^{s}fl)**	On north side of entrance to harbor. 34 24.5	119 41.0	10 1,300	10	TR on pole..................		25	HORN, diaphragm; 2 blasts ev 20^s(2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1959
511.55	**Santa Barbara Radiobeacon**	.... 34 24.4	119 41.6	....	....	....			MARKER RADIOBEACON: See p. XVIII for method of operation.	1966
	Gaviota Pipeline Marker Buoys A, B, G, H.	In 30 to 80 feet.....		....	....	Orange and white vertical stripes; spars.			Private aids.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Ye
	SAN LUIS OBISPO BAY (Chart 5386)									
600	*Point San Luis Lighted Whistle Buoy 3.* **Fl. G., $6^{s}(1^{s}fl)$**	In 60 feet, off Point San Luis Breakwater.	35 09.1	120 44.8	....	....	Black			
	San Luis Obispo Buoy 2	In 57 feet, southwest of Howell Rock.			....	....	Red nun		Red reflector.	
	Lansing Rock Buoy	In 30 feet, south of rock.			....	....	Red and black horizontal bands; nun.		Red reflector.	
	San Luis Obispo Buoy 5	In 24 feet, northeast side of Atlas Rock.			....	....	Black can		White reflector.	
	ESTERO BAY (Chart 5387)									
601.11 31.11	MORRO BAY WEST BREAKWATER LIGHT. **Fl. W., 5^{s}**	On end of breakwater.	35 21.8	120 52.1	17 30,000	11	White column	36	Visible from 207° to MARKER RADIOBE Antenna at light Unreliable in area bearing 306° to sho See p. XVIII for me of operation. HORN, diaphragm; blast ev $30^{s}(3^{s}bl)$	
602	*Morro Bay Entrance Lighted Bell Buoy 1.* **Fl. W., 4^{s}**	In 48 feet, at entrance to bay.	35 21.5	120 52.3	 120	....	Black			
	MORRO BAY CHANNEL									
603	*—Lighted Buoy 2* **Fl. R., 4^{s}**	In 18 feet	35 21.8	120 52.0	....	....	Red		Ra ref.	
604	*—Lighted Buoy 3* **Fl. G., 4^{s}**	In 21 feet			....	....	Black			
604.10	*—Lighted Buoy 4* **Qk. Fl. W.**	In 16 feet			....	....	Red			
605.10	*—Lighted Buoy 5* **Fl. G., 4^{s}**	In 11 feet			....	....	Black			
	—Buoy 6	In 19 feet			....	....	Red nun		Red reflector.	
606	*—Lighted Buoy 8* **Fl. R., 4^{s}**	In 19 feet			....	....	Red			
	—Buoy 7	In 20 feet			....	....	Black can		White reflector.	
	—Buoy 10	In 16 feet			....	....	Red nun		Red reflector.	
	—Buoy 12	In 16 feet			....	....	Red nun		Red reflector.	
	—Buoy 14	In 16 feet			....	....	Red nun		Red reflector.	
	—Buoy 15	In 13 feet			....	....	Black can		White reflector.	
	—Buoy 16	In 18 feet			....	....	Red nun		Red reflector.	
	—Buoy 18	In 13 feet			....	....	Red nun		Red reflector.	
	—Buoy 20	In 12 feet			....	....	Red nun		Red reflector.	
	ESTERO BAY									
	Morro Creek Submarine Terminal Buoy.	In 72 feet, marks end of oil intake line.	35 23.0	120 52.7	....	....	White nun		Ra ref. Private aid	
	Morro Beach Submarine Terminal Buoy.	In 54 feet	35 24.0	120 52.6	....	....	White spar		Private aid.	
	—Gong Buoy 10E	In 72 feet, northwest of Morro Rock.	35 23.0	120 53.2	....	....	Red		Red reflector.	
	Willow Creek Submarine Terminal Bell Buoy.	In 70 feet	35 23.6	120 52.8	....	....	White		Private aid.	
607	*—Lighted Whistle Buoy* **Mo. (A) W.**	In 168 feet	35 24.1	120 55.9	 300	....	Black and white vertical stripes.		Ra ref.	

)	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	ESTERO BAY							
	Toro Creek Submarine Terminal Buoy.	In 55 feet 35 24.4 120 53.0			White spar		Ra ref.	
	ESTERO WHARF LIGHT **F. R.**	On end of wharf 35 24.6 120 52.6	500		Pole	30	Private aid.	1935
	Estero Submarine Terminal Gong Buoy.	In 55 feet 35 24.8 120 53.3			White		Private aid.	
	Mouse Rock Bell Buoy 3MR	In 40 feet, marks rock at entrance to Cayucos Landing. 35 26.3 120 54.4			Black		White reflector.	
	Constantine Rock Buoy 1CR	In 39 feet, south of rock. 35 26.2 120 56.6			Black can		White reflector.	
	MONTEREY BAY (Chart 5403)							
9	—*Lighted Bell Buoy 4* **Fl. W., 4^{s}**	In 30 feet, off Point Cabrillo. 36 37.5 121 53.7	120		Red			
	MONTEREY HARBOR							
0	—BREAKWATER LIGHT **Occ. R., $4^{s}(3^{s}\mathrm{lt})$**	At outer end of breakwater. 36 36.5 121 53.3	7 350	9	White square house	20		1934
1	—Fog Signal	On northerly end of Monterey Municipal Wharf. 36 36.4 121 53.3					BELL: 1 stroke ev 15^{s}.	
	— Anchorage Buoy A	In 36 feet, 140 yards 133° from Monterey Harbor Breakwater Light.			White can		White reflector.	
	— Anchorage Buoy B	In 36 feet			White nun		White reflector.	
	— Anchorage Buoy D	In 30 feet			White can		White reflector.	
	MONTEREY BAY							
11.11	— *Danger Area Lighted Buoy A* **Fl. W., 4^{s}**	In 134 feet. Marks short range danger area off Fort Ord., Calif. 36 38.5 121 51.6	130		Orange and white vertical stripes.		Ra ref.	
11.12	— *Danger Area Lighted Gong Buoy B.* **Fl. W., $6^{s}(1^{s}\mathrm{fl})$**	In 192 feet. Marks short range danger area off Fort Ord., Calif.	190		Orange and white vertical stripes.		Ra ref.	
	— Danger Area Buoy C	In 232 feet. Mark short range danger area off Fort Ord., Calif.			Orange and white vertical stripes; can.		Orange reflector.	
	— Danger Area Whistle Buoy D	In 160 feet. Mark short range danger area off Fort Ord., Calif.			Orange and white vertical stripes.		Orange reflector.	
	MOSS LANDING							
612	— *Harbor Entrance Lighted Bell Buoy MLA.* **Mo. (A) W.**	In 54 feet 36 48.0 121 48.1	100		Black and white vertical stripes.			
612.11	*Moss Landing Discharge Lighted Buoy 2* **Fl. R., 4^{s}**	In 56 feet 36 48.3 121 47.4			Red		Private aid.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	MONTEREY BAY								
	MOSS LANDING								
613	— HARBOR ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. G.**	In 12 feet.......... 36 48.6 121 47.1	 600	....	KRW on white column.........		15	Range lights show simultaneously. 2,500 cp visible 5° each side of rangeline.	1947–1969
614	— HARBOR ENTRANCE RANGE REAR LIGHT. **E. Int. G., 6^{s}**	In 6 feet, 60 yards 051°30′ from front light.	 1,100	....	KRW on white column.........		25		1947–196
	— Harbor Channel Buoy 1.........	In 45 feet..........	....	....	Black can..................			White reflector.	
	— Harbor Channel Buoy 2.........	In 48 feet..........	....	....	Red nun....................			Red reflector.	
615	— HARBOR ENTRANCE LIGHT.. **Occ. W., 4^{s} (3^{s}lt)**	At south side of entrance channel. 36 48.4 121 47.2	11 1,800	10	White tower..................		22	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1943–1952
	— Harbor Channel Buoy 3.........	In 13 feet..........	....	....	Black can..................			White reflector.	
616	— *Harbor Channel Lighted Buoy 4*. **Fl. R., 4^{s}**	In 11 feet..........	....	....	Red........................				
	— Harbor Channel Buoy 5.........	In 15 feet..........	....	....	Black can..................			White reflector.	
616.10	— *Harbor Channel Lighted Buoy 6*.. **Qk. Fl. W.**	In 11 feet..........	....	....	Red........................				
617	— *Harbor Channel Lighted Buoy 8*. **Fl. R., 2.5^{s}**	In 14 feet.........	....	....	Red......................				
	— Harbor Channel Buoy 9.......	In 18 feet.........	....	....	Black can................			White reflector.	
	— Harbor Channel Buoy 11.......	In 7 feet..........	....	....	Black can..................			White reflector.	
	— Harbor Channel Buoy 13.......	In 12 feet.........	....	....	Black can................			White reflector.	
	— Anchorage Bell Buoy	In 63 feet 36 48.8 121 48.2	....	....	White			Ra ref. White reflector. Private aid.	
	SANTA CRUZ								
618.05	— WEST BREAKWATER LIGHT.. **Occ. G., 4^{s} (3^{s}lt)**	On end of breakwater. 36 57.6 122 00.1	 200	....	White structure.............		36	HORN, diapbragm; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	196
618.11	— *Harbor Lighted Buoy 1*......... **Fl. G., 4^{s}**	In 14 feet...........	....	....	Black......................				
618.12	— *Harbor Lighted Buoy 2*......... **Fl. R., 4^{s}**	In 14 feet...........	....	....	Red........................				
	— Harbor Buoy 3	In 18 feet	....	....	Black can			White reflector.	
	— Harbor Buoy 4	In 17 feet	....	....	Red nun			Red reflector.	
619	— *Lighted Whistle Buoy SC*...... **Mo. (A) W.**	In 60 feet, off Santa Cruz Harbor. 36 56.3 122 00.5	 100	....	Black and white vertical stripes.				
620 40	— **Light**....................... **Fl. W., 5^{s}**	On point, west side of entrance to Santa Cruz Harbor. 36 57.1 122 01.6	17 30,000	13	White lantern house on square brick tower attached to brick building.	39	60	Visible from 220° to 085	1869–196
621	— Municipal Wharf Fog Signal.....	On southerly end of wharf. 36 57.5 122 00.9	....	....	....			HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl). Private aid maintained from Apr. 15 to Nov. 1	195
	HALF MOON BAY (Chart 5520)								
621.11	*Southeast Reef Southern End Lighted Gong Buoy 1.* **Fl. G., 6^{s} (1^{s}fl)**	In 57 feet 37 27.9 122 28.1	....	....	Black				
	Southeast Reef Northern End Buoy 2.	In 59 feet 37 28.4 122 29.0	....	....	Red nun			Red reflector.	
621.12	*Pillar Point Reef Lighted Whistle Buoy 3.* **Fl. W., 6^{s} (1^{s}fl)**	In 50 feet, off southerly end of Reef. 37 28.9 122 28.9	 140	....	Black......................				

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA									TWELFTH DISTRICT	
	HALF MOON BAY										
	PILLAR POINT HARBOR										
1.13	— LIGHT 5 **E. Int. W., 6^s**	On end of west breakwater.	37 29.7	122 29.0	6 180	12	SB on white cylindrical tower		50	HORN, diaphragm; 1 blast ev 10^s (1^s bl).	1967
2	— LIGHT 6 **Fl. R., 4^s**	On end of east breakwater.			....	....	TR on skeleton tower		30		1961
3	— LIGHT 7 **Fl. G., 4^s**	On end of west breakwater.	39 29.7	122 29.2	....	....	SB on skeleton tower		30	Obscured from 283° to 103°.	1960–1967
	SAN FRANCISCO BAY APPROACH (Chart 5532)										
	South Shoal Gong Buoy 2M	In 50 feet	37 44.3	122 36.5	....	....	Red			Red reflector.	
	From Southward										
	South Channel Bell Buoy 2	In 39 feet	37 44.4	122 31.1	....	....	Red			Red reflector.	
	South Channel Bell Buoy 4	In 40 feet			....	....	Red			Red reflector.	
	SAN FRANCISCO MAIN SHIP CHANNEL										
24	— *Lighted Bell Buoy 1* **E. Int. W., 6^s**	In 48 feet	37 46.2	122 37.2	 170	....	Black			Ra ref.	
25	— *Lighted Whistle Buoy 2* **E. Int. R., 6^s**	In 48 feet			....	....	Red			Ra ref.	
26	— *Lighted Buoy 3* **Fl. W., 4^s**	In 43 feet			 120	....	Black			Ra ref.	
27	— *Lighted Buoy 4* **Fl. R., 4^s**	In 45 feet			....	....	Red				
28	— *Lighted Bell Buoy 5* **Fl. W., 4^s**	In 60 feet			 100	....	Black				
29	— *Lighted Buoy 6* **Fl. R., 4^s**	In 44 feet			....	....	Red				
30	— *Lighted Bell Buoy 7* **Fl. W., 4^s**	In 58 feet			 100	....	Black			Ra ref.	
31	— *Lighted Whistle Buoy 8* **Fl. R., 4^s**	In 50 feet			....	....	Red			Ra ref.	
	From Northward										
632	*Drakes Bay Lighted Whistle Buoy 1.* **Fl. W., 6^s (1^{s}fl)**	In 60 feet, at entrance to Drakes Bay Anchorage.	37 59.0	122 57.3	 140	....	Black				
633 51	BOLINAS AERO LIGHT **Fl. R., 10^s**	Atop radio tower	37 54.8	122 43.5	 250,000	....	....		472	Maintained by Federal Aviation Agency.	
634	*Duxbury Reef Lighted Whistle Buoy 1DR.* **Fl. W., 6^s (1^{s}fl)**	In 72 feet, 2 miles south of Duxbury Point.	37 51.6	122 41.7	 140	....	Black				
635	BONITA CHANNEL RANGE REAR LIGHT. **F. R.**	On bluff, 1,050 yards 137° from Mile Rocks Light.			....	....	White building		326	2,000 cp visible 4° each side of rangeline. Use with Mile Rocks Light as front light.	1928–1969
	Bonita Channel Range Lower Rear Dayheacon.	On face of bluff, 760 yards 137° from Mile Rocks Light.			....	....	White rectangular daymark				

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	 Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	 Ht. above water	(7) Remarks	 Year
					CALIFORNIA			TWELFTH DISTRICT	
	SAN FRANCISCO BAY APPROACH								
	FROM NORTHWARD								
636 49	**Point Bonito Light** **Mo. (A) W., 20^{s}** 1^{s}fl., 2^{s}ec. 2^{s}fl., 15^{s}ec. 2 flashes. Resident Personnel.	On west side of point. 37 48.9	 122 31.7	17 30,000	17	White tower 33	 124	Emergency light when r light extinguished E. W., 6^{s} of 1,200 cp MARKER RADIOBEAC Antenna 32 feet 056° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 30^{s}(2^{s}bl- 2^{s}si-2^{s}bl-24^{s}si).	
637	*Bonita Channel Lighted Whistle Buoy 2.* **Fl. W., 6^{s}(1^{s}fl)**	In 45 feet 37 50.0	 122 34.0	 140		Red			
	Bonita Channel Buoy 4	In 36 feet, on northeast side of Four Fathom Bank.				Red nun		Red reflector.	
638	*Bonita Channel Lighted Bell Buoy 3.* **Fl. G., 4^{s}**	In 48 feet, on west side of Centissima Rock.				Black			
639	*Four Fathom Bank Lighted Bell Buoy.* **I. Qk. Fl. R.**	In 40 feet, off east end of bank. 37 48.8	 122 32.4			Red and black horizontal bands.			
	GOLDEN GATE								
640 48	**Mile Rocks Light** **Fl. W., 5^{s}**	On outer and larger rock. 37 47.6	 122 30.6	23 400,000	12	White tower	 49	HORN, diaphragm; 1 b ev 15^{s}(2^{s}bl). Struct floodlighted. Emergency light whe light extinguished I Int. W., 6^{s} of 1, 20 Use as Front Range with Bonita Channe Range Rear Light.	1906–1
641	POINT DIABLO LIGHT **E. Int. W., 6^{s}**	On end of point 37 49.2	 122 29.9	13 5,000	15	White house	 85	HORN, diaphragm; 1 b ev 30^{s}(3^{s}bl).	1
	GOLDEN GATE BRIDGE								
642	—NORTH AERO LIGHT **Fl. R., 10^{s}**	On top of north tower.		 180,000		Tower	 753	Maintained by Federa Aviation Agency.	1
643	—SOUTH AERO LIGHT **Fl. R., 10^{s}**	On top of south tower.		 150,000		Tower	 753	Maintained by Federal Aviation Agency.	1
644	—SOUTH PIER LIGHT **Fl. R., 15^{s} (5^{s}fl)**	On north side of pier		 8,000			 50	HORNS, diaphragm (2 sound simultaneousl 1 blast ev 20^{s} (2^{s}bl Private aid.	1
645	—Midchannel Fog Signal	At center of main span on bottom chord of truss.						DIAPHONE: 2 blasts ev 40^{s} (1^{s}bl- 1^{s}bl-36^{s}si). Private aid.	1
646	LIME POINT LIGHT **Fl. W., 5^{s}**	On end of point 37 49.5	 122 28.6	17 30,000	11	White brick buildings	 33	HORN, diaphragm; 2 blasts ev 30^{s}(2^{s}bl 2^{s}bl-24^{s}si). Stru is floodlighted.	

CALIFORNIA TWELFTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY (Charts 5535, 5532)									
	YELLOW BLUFF LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On edge of bluff 37 50.2	122 28.3	12 4,500	14	White slatted structure		75		1930–1938
	YRA Race Course Buoy Y	In 170 feet 37 50.3	122 28.2	....	....	Orange and white horizontal bands; sphere.			White reflector. Private aid.	
	YRA Race Course Buoy BP	In 25 feet 37 51.1	122 25.0	....	....	Orange and white horizontal bands; sphere.			White reflector. Private aid.	
	YRA Race Course Buoy C	In 39 feet 37 48.6	122 27.9	....	....	Orange and white vertical stripes; can.			Private aid.	
	YRA Race Course Buoy D	In 25 feet		....	....	Orange and white horizontal bands; nun.			White reflector. Private aid.	
	Presidio Shoal Buoy 2	In 9 feet, marks 5 foot shoal.		....	....	Red nun			Red reflector.	
8	**ANITA ROCK LIGHT** **Qk. Fl. W.**	In 3 feet 37 48.5	122 27.2	 180	....	Concrete structure		20	BELL: 1 stroke ev 15^{s}.	1964
.10	**SAN FRANCISCO SUBMARINE OUTFALL LIGHT.** **F. R.**	.... 37 48.5	122 26.9	 100	....	Pile		10	Private aid.	1970
	St. Francis Yacht Club Starting Buoy A.	In 56 feet 37 48.7	122 26.7	....	....	Orange and white horizontal bands; nun.			Private aid.	
	St. Francis Yacht Club Starting Buoy B.	In 53 feet 37 48.5	122 26.7	....	....	Orange and white horizontal bands; nun.			Private aid.	
8.11	**SAN FRANCISCO WEST YACHT HARBOR LIGHT 2.** **Qk. Fl. R.**	East end of west Basin breakwater. 37 48.5	122 26.3	....	....	Pole		21	Private aid.	1968
8.12	**SAN FRANCISCO EAST YACHT HARBOR LIGHT 2.** **Fl. R., 4^{s}**	East end of east Basin breakwater. 37 48.5	122 26.0	....	....	Steel structure		26	Private aid.	1968
9	—*Degaussing Range Lighted Bell Buoy A.* **Fl. W., 4^{s}**	In 50 feet 37 49.2	122 26.2	....	....	Orange and white vertical stripes.			Ra ref.	
0	—*Degaussing Range Lighted Bell Buoy B.* **Fl. W., 6^{s}(1^{s}fl)**	In 72 feet, 760 yards south of Buoy A.		 140	....	Orange and white vertical stripes.				
	Alcatraz Bell Buoy	In 44 feet, off northwest end of island. 37 49.7	122 25.6	....	....	Red and black horizontal bands.			Red reflector.	
1	**ALCATRAZ LIGHT** **Fl. W., 5^{s}**	On south east part of Island. 37 49.6	122 25.3	22 200,000	21	Gray, octagonal, pyramidal tower.		214	HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl). Located 175 yards, 143½° from light. Fog signal building is floodlighted.	1854–1909
2	Alcatraz Fog Signal	On northwest point of island.		....	....	White square structure			HORN, diaphragm; 1 blast ev 20^{s} (3^{s}bl). Structure is floodlighted.	1901–1913
3	*Harding Rock Lighted Buoy HR* **I. Qk. Fl. R.**	In 58 feet 37 50.2	122 26.7	....	....	Red and black horizontal bands.			Ra ref.	
4	**POINT BLUNT LIGHT** **E. Int. W., 6^{s}** Resident Personnel.	On point 37 51.2	122 25.1	15 12,000	13	White frame house with orange vertical stripe.		60	HORN, diaphragm; 1 blast ev 15^{s}(2^{s}bl). Special Direction Finder Calibration Service, see p. XIX. Structure is floodlighted.	1915
55	*Point Knox Lighted Gong Buoy 2* **Fl. R., 4^{s}**	In 27 feet, marks shoal area off Pt. Knox, Angel Island.		....	....	Red				
	RACCOON STRAIT									
56	—LIGHT 4 **E. Int. W., 6^{s}**	On edge of bluff 37 51.7	122 26.7	 11,000	....	TR on white frame house		80	BELL: 2 strokes ev 15^{s}.	1915–1966

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	RACCOON STRAIT							
	Belvedere Cove Buoy 1	In 8 feet			Black can		White reflector.	
657	*—Lighted Bell Buoy 3* **Fl. W., 4^s**	37 52. 3 122 27. 2 In 115 feet, at west entrance to Raccoon Strait.	100		Black			
657. 11	— LIGHT 5 **Fl. W., 4^s**	At foot of bluff 37 52. 8 122 26. 3	100		Black square daymark on pole	20	Green reflector.	195
658	CONE ROCK LIGHT **Qk. Fl. W.**	On rock 37 51. 8 122 28. 1			Black skeleton tower	17		19
659	*Sausalito Channel Lighted Buoy 1* **Fl. G., 4^s**	In 20 feet, off Sausalito. 37 51. 3 122 28. 1			Black			
660	*Sausalito Channel Lighted Bell Buoy 2.* **Fl. R., 4^s**	In 14 feet, off Sausalito.			Red			
	Sausalito Channel Buoy 4	In 16 feet			Red nun		Ra ref. Red reflector.	
	Sausalito Channel Buoy 6	In 20 feet			Red nun		Ra ref. Red reflector.	
661	SAUSALITO CHANNEL LIGHT 8 **Fl. R., 4^s**	In 11 feet 37 51. 9 122 29. 1			TR on pile structure	15		19
662	*Blossom Rock Lighted Bell Buoy BR.* **I. Qk. Fl. W.**	In 55 feet 37 49. 1 122 24. 2	110		Black and red		BELL: 1 stroke ev 15^s Ra ref.	
	TREASURE ISLAND							
663	*—North End Lighted Bell Buoy 2* **Fl. R., 6^s(1^sfl)**	In 36 feet			Red			
663. 11	— NORTH END LIGHT 6 **Fl. W., 6^s (1^sfl)**	West end of breakwater. 37 50. 0 122 22. 3	1, 600		TR on pole	30		1
663. 21	— NORTH END LIGHT 8 **Fl. R., 4^s**	37 49. 9 122 21. 9	250		TR on lookout tower	40	SIREN: 1 blast ev 30 3^s bl).	1942–19
	—North End Buoy 4	In 25 feet			Red nun		Red reflector.	
665	YERBA BUENA ISLAND LIGHT **Occ. W., 4^s (3^slt)**	On southeast end of Island. 37 48. 4 122 21. 7	16 18,000	16	White octagonal tower	95	HORN, diaphragm; 1 b ev 30^s (3^sbl). Ligl tower floodlighted f sunset to sunrise.	18
	WEST CROSSING							
666	PIER A TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower 37 47. 4 122 23. 1	180, 000			473		19
667	Pier A Fog Signal	On northeasterly side of pier.				30	SIRENS: 1 blast ev 30 (1^sbl).	19 19
668	PIER B TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower	180, 000			517		
669	Pier B Fog Signal	On southerly side of pier.				30	SIRENS: 2 blasts ev 30^s (1^sbl-1. 5^s si- 1^sbl-26. 5^ssi).	1
670	Pier C East Side Fog Signal	On easterly side of pier.				30	BELL: 1 stroke ev 30	1
671	Pier C West Side Fog Signal	On westerly side of pier.				30	BELL: 2 strokes ev 3	1 1
672	PIER D TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower	180, 000			517		
673	Pier D Fog Signal	On northerly corner of pier.				30	SIRENS: 3 blasts ev 30^s (1^sbl-1. 5^ssi- 1^sbl-1. 5^ssi-1^sbl-24	1

) o.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY								
	WEST CROSSING								
	PIER E TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower		180,000	....		473		1936
	Pier E Fog Signal	On southerly corner of pier.			....		30	SIRENS: 2 blasts ev 30^s (2^sbl-1.5^ssi-1^sbl-25.5^ssi).	1935
	EAST CROSSING								
	PIER G TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower		180,000	....		390		1936
	Pier G Fog Signal	Top of east face of pier.			....		30	SIREN: 1 blast ev 20^s (1^sbl).	1935
3	PIER H TOWER AERO LIGHT **Fl. R., 10^s**	On top of tower		180,000	....		390	Red lights (5) occulting simultaneously (3^slt-2^sec) of 2,000 cp on middle of top chords of each span between Piers 1 and N.	1936
	Pier H Fog Signal	On southwest corner of pier.			....		30	SIRENS: 2 blasts ev 20^s (1^sbl-1.5^ssi-3^sbl-14.5^ssi).	1935
0	Pier I Fog Signal	On west side of pier			....		30	BELL: 3 strokes ev 20^s.	1935
1	Pier J Fog Signal	On west side of pier			....		30	BELL: 2 strokes ev 20^s.	1935
2	Pier K Fog Signal	On west side of pier			....		30	BELL: 1 stroke ev 20^s.	1935
	SAN FRANCISCO WATERFRONT								
33	PIER 45 EAST LIGHT **F. R.**	On east corner of of pier. 37 48.7	122 25.2	800	....		22	SIREN: 1 blast ev 10^s (2^sbl). Private aid.	1929
4	PIER 45 WEST LIGHT **2 F. R.**	On northwest corner of pier.		800	....		28 19	Private aid. Lights mounted vertically.	1929
85	PIER 41 LIGHT **F. R.**	On wall of main building at outer end of wharf.		100	....	Gray structure	38	BELL: 1 stroke ev 7.5^s. Private aid.	1915
36	PIER 41 FOG LIGHT **Fl. W., 5^s**	On wall of transit shed at outer end of wharf.		1,700	....	Gray structure	30	Exhibited only during foggy weather. Private aid.	1915
7.01	PIER 27 - 29 WEST LIGHT **E. Int. W., 2^s**	On west corner of pier. 37 48.5	122 24.0	100	....		16	SIREN: 2 blasts ev 20^s (2^sbl-2^ssi-2^sbl-14^ssi). Private aid.	1922–1967
37.02	PIER 27 - 29 EAST LIGHT **E. Int. R., 2^s**	On east corner of pier.		100	....		16	Private aid.	1922–1967
588	PIER 17 LIGHT **F. W.**	Outer end of pier, north side.		1,500	....	Gray building	29	BELL: 36 strokes per minute. Private aid.	1949
589	PIER 1 NORTH LIGHT **F. R.**	Outer end of pier, north side.		300	....	Gray structure	26	BELL: 16 strokes per minute. Private aid.	1949
590	PIER 1 SOUTH LIGHT **F. W.**	Outer end of pier, south side.		1,500	....	Gray structure	26	Private aid.	1949

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA									TWELFTH DISTRIC	
	SAN FRANCISCO BAY										
	SAN FRANCISCO WATERFRONT										
692	Pier 26 Fog Signal	Outer end of pier								BELL: 27 strokes per minute. Private aid.	19
693	Pier 32 Fog Signal	Outer end of pier, south side.								BELL: 22 strokes per minute. Private aid.	1949–19
694	Pier 36 Fog Signal	Outer end of pier, north side.								BELL: 2 strokes, repeated 16 times p minute. Private ai	1
696	PIER 46 LIGHT F. G. F. R.	Outer end of pier, south side.					Gray structure		33 25	SIREN: 1 blast ev 10^s (2^{s}bl). Private aid.	19
697	MISSION ROCK NORTHEAST CORNER LIGHT. F. R.	Pier 50 extended			500				12	Private aid.	1
698	MISSION ROCK SOUTHEAST CORNER LIGHT. F. R.				500				19	BELL: 16 strokes per minute. Private aid	1
699	Santa Fe Ferry Slip Fog Signal	On Santa Fe Ferry Slip.	37 46. 2	122 23. 0						HORN, diaphragm; 2 blasts ev 30^s(3^{s}bl 3^{s}si-3^{s}bl-21^{s}si). Private aid.	1
700	*Oakland Harbor Bar Channel Lighted Bell Buoy 1.* E. Int. W., 6^s	In 28 feet	37 48. 2	122 21. 4			Black				
	OAKLAND OUTER HARBOR										
701	— RANGE B FRONT LIGHT F. R.	In 6 feet	37 49. 0	122 19. 4	25, 000		KRW on pile		25		1930 – 1
702	— RANGE B REAR LIGHT F. R.	In 6 feet, 335 yards 056° from front light.			25, 000		KRW on pile		56		1930 – 1
703	— RANGE A FRONT LIGHT F. G.	In 6 feet	37 48. 9	122 19. 6	25, 000		KRW on white pile		25		1930 – 1
704	— RANGE A REAR LIGHT F. G.	In 6 feet, 335 yards 059° from front light.			25, 000		KRW on white pile		35		1930 – 1
706	—*Lighted Buoy 1B* Fl. W., 4^s	In 34 feet	37 48. 3	122 20. 9			Black				
707.80	BARTD OBSTRUCTION LIGHTS 2 Qk. Fl. W.		37 48. 7	122 20. 2			Dolphin		9	Private aid.	1
709	—*Lighted Buoy 3* Fl. W., 4^s	In 30 feet					Black				
710	—*Lighted Buoy 5* Fl. G., 4^s	In 33 feet					Black				
	— Buoy 7	In 30 feet					Black can			White reflector.	
	OAKLAND MIDDLE HARBOR										
712	—*Lighted Buoy* I. Qk. Fl. W.	In 45 feet	37 48. 1	122 20. 3			Black and red horizontal bands.				
713	—*Lighted Buoy 3* Fl. G., 4^s	In 25 feet					Black				

CALIFORNIA TWELFTH DISTRICT

(1)	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY									
	OAKLAND INNER HARBOR									
	—LIGHT **Fl. G., 5s**	On end of pier at entrance to harbor. 37 48.0	122 19.8	13 6,000	10	SB on white cylindrical tower		30	HORN, diaphrag.; 1 blast ev 15s (2s bl).	1890–1966 1893–1963
	—LIGHT 2 **Fl. R., 5s**	In 15 feet, 200 yards west end of jetty. 37 47.9	122 19.9	 6,000	....	TR on pile structure		15		
	—LIGHT 4 **Fl. R., 2.5!**	On outer end of pier		 250	....	TR on pole		15	HORN, diaphragm; 1 ev 15s (2s bl).	1915–1950
	Howard Terminal Fog Signal	On south end of pier No. 1. 37 47.7	122 17.2	....	....	....			HORN, diaphragm; 1 blast ev 10s (2s bl). Private aid.	1955
	BROOKLYN BASIN									
	—Junction Buoy	In 25 feet, marks west end of fill in harbor between entrances to both channels. 37 47.1	122 15.4	....	....	Black and red horizontal bands; can.			White reflector.	
	—South Channel Buoy 1	In 32 feet		....	....	Black can			White reflector.	
	—North Channel Buoy 2	In 10 feet		....	....	Red nun			Red reflector.	
	—North Channel Buoy 4	In 13 feet		....	....	Red nun			Red reflector.	
	—North Channel Buoy 6	In 22 feet		....	....	Red nun			Red reflector.	
	—North Channel Buoy 8	In 16 feet		....	....	Red nun			Red reflector.	
	SAN LEANDRO BAY CHANNEL									
	—Buoy 1	In 10 feet		....	....	Black can			White reflector.	
	—Buoy 1A	In 8 feet		....	....	Black can			White reflector.	
	—Buoy 2	In 8 feet		....	....	Red nun			Red reflector.	
	—Buoy 3	In 10 feet		....	....	Black can			White reflector.	
	—Buoy 4	In 5 feet		....	....	Red nun			Red reflector.	
	—Buoy 5	In 7 feet		....	....	Black can			White reflector.	
	—Buoy 6	In 7 feet		....	....	Red nun			Red reflector.	
	—Buoy 7	In 18 feet		....	....	Black can			White reflector.	
	—Buoy 8	In 9 feet		....	....	Red nun			Red reflector.	
	ALAMEDA NAVAL AIR STATION CHANNEL									
20	—*Entrance Lighted Bell Buoy 1* **Fl. W., 4s**	In 35 feet 37 46.6	122 20.4	 100	....	Black				
21	—*Entrance Lighted Buoy 2* **Fl. R., 4s**	In 40 feet		....	....	Red				
22	—RANGE FRONT LIGHT **Occ. 4., 4s (3s lt)**	On shed at end of pier.		....	....	KRW with white vertical stripe		26	Flashes simultaneously with rear light. Operates throughout 24 hours. 25,000 cp visible 1° each side of rangeline.	
723	—RANGE REAR LIGHT **Occ R., 4s (3s lt)**	530 yards 092° 30F from front light.		....	....	KRW with white vertical stripe on tower.		66	Flashes simultaneously with front light. Operates throughout 24 hours. 25,000 cp visible 1° each side of rangeline.	1943–1944

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY										
	ALAMEDA NAVAL AIR STATION CHANNEL										
724	ALAMEDA AIR STATION AERO LIGHT. **Alt. Gp. Fl. W. and G., 10^s (2Wfl–1Gfl)**	At Naval Air Station, Alameda.	37 47.2	122 18.5	800, 000				139	Maintained by U. S. Na	
725	—*Lighted Buoy 3* **Fl. G., 4^s**	In 40 feet					Black				
726	—*Lighted Buoy 4* **Fl. R., 4^s**	In 32 feet					Red				
727	—*Lighted Buoy 5* **Fl. G., 4^s**	In 45 feet					Black				
728	—*Lighted Buoy 6* **Fl. R., 4^s**	In 30 feet					Red				
	—Buoy 8	In 30 feet					Red nun			Red reflector.	
730	—*Lighted Buoy 10* **Fl. R., 4^s**	In 32 feet					Red				
731	AIR STATION EAST BREAKWATER SOUTH LIGHT. **F. R.**		37 46.1	122 18.4					18	Maintained by U. S. Na	194
732	AIR STATION EAST BREAKWATER NORTH LIGHT. **F. R.**	110 yards 000° from south light.							18	Maintained by U. S. N	194
733	AIR STATION WEST BREAKWATER EAST LIGHT. **F. G.**		37 46.1	122 18.6					18	Maintained by U. S. Na	19
734	AIR STATION WEST BREAKWATER WEST LIGHT. **F. R.**		37 46.3	122 19.0					18	Maintained by U. S. N	19
735	ALAMEDA INTAKE LIGHT **F. G.**	At end of water intake.	37 45.6	122 16.4			Pile		10	Private aid.	19
	South End										
736	BALLENA BAY LIGHT 1 **Fl. G., R. sector, 5^s**	In 9 feet	37 45.8	122 16.9	12 4, 000	9	Dolphin		20	Red from 103°30′ to 183°. Private aid.	19
737	*Anchorage 9 Lighted Buoy 1* **Fl. W., 4^s**	In 32 feet	37 44.8	122 19.4	100		Black				
740	OAKLAND MUNICIPAL AIRPORT AERO LIGHT. **Alt. Fl. W. and G., 10^s**		37 43.8	122 12.6	800, 000				55	Maintained by the Fede Aviation Agency.	19
741	SAN LEANDRO MARINA LIGHT 1. **Fl. W., 4^s**	Marks entrance to marina.			300		Pile structure		14	HORN, diaphragm; 1 bl. 20^s (2^s bl), operated continuously from Oc to Apr. 1. Private ai	19
742	SAN LEANDRO MARINA LIGHT 2. **Fl. R., 4^s**	Marks entrance to marina.					Pile		9	Private aid.	1963–19
742. 11	SAN LEANDRO MARINA RANGE FRONT LIGHT. **Qk. Fl. G.**	On shore	37 41.7	122 11.4	5, 000		Pole		18	Private aid.	19
742. 12	SAN LEANDRO MARINE RANGE REAR LIGHT. **F. G.**	On shore, 728 yards 046° 30′ from front light.			13, 000		Pole		37	Private aid.	19
743	*Explosive Anchorage 14 Lighted Buoy EX-A.* **Fl. W., 6^s (1^sfl)**	In 41 feet, marks northern extremities of anchorage.	37 43.1	122 19.7			White				

)	(2) Name	(3) Location			(4) Nominal Range	(5) Geo-graphic Range	(6) Structure			(7)	
.	Characteristic		Lat. N.	Long. W.	Intensity			Ht. above ground	Ht. above water	Remarks	Year
	SAN FRANCISCO BAY										
	South End										
	Explosive Anchorage 14 Buoy EX-B.	In 32 feet, marks southern extremities of anchorage.	37 42.1	122 18.5			White can			White reflector.	
	WESTERN PACIFIC FERRY SLIP LIGHT. **Fl. R.,** 10^{s} (2^{s}fl)	On outer end of north wing of slip.	37 45.2	122 22.8	7 250		White tower		25	HORN, diaphragm; 1 blast ev 10^{s} (1^{s}bl). Private aid. Fog signal operated only for Western Pacific Company vessels.	1939
7	HUNTERS POINT NORTH END LIGHT. **Fl. R.,** 2.5^{s}	At end of breakwater.	37 44.0	122 21.9	350		Pole		30	HORN, diaphragm; 1 blast ev 10^{s} (1^{s}bl). Operated only when required for shipyard movement operations.	1950
	(Chart 5531)										
	HUNTERS POINT LIGHT **E. Int. R.,** 6^{s}	On wharf	37 43.8	122 21.4	600		On building		35	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl).	1943
	HUNTERS POINT SOUTH END LIGHT. **Fl. R.,** 6^{s} (1^{s}fl)	On end of mole	35 43.1	122 21.5	350		Tower		30	HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl). Operated only when required for shipyard movements operations.	1950
.10	SAN BRUNP SHOAL CHANNEL LIGHT 1. **Fl. W.,** 4^{s}	In 30 feet	37 41.7	122 20.3			SB on white column		15	HORN, 1 blast ev 30^{s} (3^{s}bl). Operated from Oct. 1 to Apr. 1.	1971
1.10	SAN BRUNO SHOAL CHANNEL LIGHT 2. **Fl. R.,** 4^{s}	In 30 feet	37 41.7	122 20.5			TR on white column		15		1971
2.10	SAN BRUNO SHOAL CHANNEL LIGHT 3. **Fl. W.,** 4^{s}	In 29 feet	37 40.2	122 19.5			SB on white column		15		1971
3.10	SAN BRUNO SHOAL CHANNEL LIGHT 4 . **Fl. R.,** 4^{s}	In 29 feet	37 40.2	122 19.7			TR on white column		15		1971
4.10	SAN BRUNO SHOAL CHANNEL LIGHT 5. **Fl. W.,** 4^{s}	In 32 feet	37 38.6	122 18.7			SB on white column		15	HORN, 1 blast ev 10^{s} (1^{s}bl). Operated from Oct. 1 to Apr. 1.	1971
5.10	SAN BRUNO SHOAL CHANNEL LIGHT 6. **Fl. R.,** 4^{s}	In 32 feet	37 38.6	122 18.9			TR on white column		15		1971
58	SOUTH SAN FRANCISCO YACHT HARBOR LIGHT 1. **Fl. G.,** 4^{s}	In 9 feet	37 39.9	122 22.1			Pile structure		17	Private aid.	1963
59	SOUTH SAN FRANCISCO YACHT HARBOR LIGHT 2. **Fl. R.,** 4^{s}	In 9 feet					Pile structure		17	Private aid.	1963
	SAN FRANCISCO AIRPORT SEAPLANE AREA										
61	SAN FRANCISCO BAY SOUTH CHANNEL LIGHT 8. **Fl. R.,** 4^{s}	In 10 feet					TR on column		15		1965

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA									TWELFTH DISTRICT	
	SAN FRANCISCO BAY										
	South End										
	SAN FRANCISCO AIRPORT										
763	—*Channel Lighted Buoy 1* Fl. W., 4^s	In 13 feet					Black				
764.11	—CHANNEL LIGHT 3 Fl. W., 4^s	North end of the runway lighting catwalk.	37 37.5	122 22.5	100		SB		10		1966
765	—CHANNEL LIGHT 5 Fl. W., 4^s	Off end of south jetty	39 37.9	122 22.7	100		SB on pile		15		1941–1966
766	—AERO LIGHT Alt. Fl. W. and G., 10^s	At San Francisco International Airport.	37 37.0	122 23.0						Maintained by Federal Aviation Agency.	1929–1955
	COYOTE POINT										
767	—YACHT HARBOR LIGHT 1 Fl. G., 4^s	In 8 feet	37 35.6	122 18.7			Pile		12	Private aid.	1961–1969
768	—YACHT HARBOR LIGHT 2 Fl. R., 4 ^{s}	In 8 feet					Pile		12	Private aid.	1961
	SOUTH CHANNEL										
	San Mateo-Hayward Bridge Buoy 2.	In 50 feet	37 35.1	122 15.1			Red nun			Ra ref. Red reflector.	
769	San Mateo-Hayward Bridge Fog Signal.	On center of new span								HORNS, diaphragm (2); 2 blasts ev 30^s (3^{s}bl-3^{s}si-3^{s}bl-21^{s}si).	
769.01	—TOWER LIGHT Fl. W., 2.5^s	On foundation pier	37 34.9	122 15.0			Transmission tower		12	Private aid.	196
	San Mateo-Hayward Bridge Buoy 3.	In 48 feet	37 35.0	122 15.0			Black can			Ra ref. White reflector.	
770	SAN FRANCISCO BAY SOUTH CHANNEL LIGHT 10. Fl. W., 4^s	In 10 feet			100		TR on column		15	Higher intensity beam down channel toward San Mateo-Hayward Bridge.	196
	REDWOOD CREEK	Channel buoys located 25 to 50 feet outside channel limits.									
771	—ENTRANCE LIGHT 2 Fl. W., 4^s	In 32 feet	37 33.2	122 11.8	140		TR on white column		20	HORN, diaphragm; 1 blast ev 10^s (1^{s}bl). Operated continuousl from Oct. 1 to Apr. 1.	1961–196
772	—*Entrance Lighted Buoy 3* Fl. G., 4^s	In 30 feet					Black				
773	—ENTRANCE LIGHT 4 Fl. R., 4^s	In 25 feet, 50 feet outside channel limit.					Pile structure		15		1961–1968
773.51	—*Lighted Buoy 5* Fl. G., 4^s	In 30 feet	37 32.4	122 11.5			Black				
774	—LIGHT 6 Fl. R., 4^s	In 25 feet, 50 feet outside channel limit.					TR on white column		15		1961–196
775	—LIGHT 8 Fl. R., 4^s	In 25 feet, 50 feet outside channel limit.					Pile		15		196

1) lo.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY **South End**									
	REDWOOD CREEK									
5	—*Lighted Buoy 9* **Fl. G., 4^s**	In 18 feet				Black				
7	—LIGHT 10 **Fl. R., 4^s**	In 25 feet, 50 feet outside channel limit.				TR on pile		15		1961
7.21	—*Lighted Buoy 11* **Fl. G., 4^s**	In 18 feet 37 31.7	122 11.6			Black				
	—Buoy 12	In 22 feet				Red nun			Red reflector.	
	—Buoy 13	In 30 feet				Black can			White reflector.	
8	—LIGHT 14 **Fl. R., 4^s**	In 20 feet, 50 feet outside channel limit.				Pile		15	Red reflector.	1926–1961
9	—*Lighted Buoy 15* **Fl. G., 4^s**	In 30 feet				Black				
0	—LIGHT 17 **Fl. G., 4^s**	In 2 feet, at to turning basin.				SB on pile		15		1937–1964
	—Buoy 18	In 30 feet				Red nun			Red reflector.	
	—Buoy 20	In 35 feet				Red nun			Red reflector.	
30.11	—LIGHT 22 **Fl. R., 4^s**	In 15 feet				Red triangular daymark on column.		15	Red reflector.	1965–1969
0.12	—LIGHT 24 **Fl. R., 4^s**	In 15 feet				TR on column		15		1965
	—Buoy 25	In 19 feet				Black can			White reflector.	
	SOUTH CHANNEL									
32	SAN FRANCISCO BAY SOUTH CHANNEL LIGHT 12. **Fl. W., 4^s**	In 10 feet		100		TR on column		15	Higher intensity beam down channel.	1965
33	Dumbarton Highway Bridge Fog Signal.	On west lift pier of bridge. 37 30.3	122 07.1						SIREN: 1 blast ev 20^s $(2^s bl)$. BELL: 2 strokes ev 20^s if siren is disabled. Private aid.	1927
34	Dumbarton Railroad Bridge Fog Signal.	On center of draw span. 37 29.9	122 06.5						BELL: 1 stroke ev 20^s. Private aid.	
	MAYFIELD SLOUGH									
	—Entrance Daybeacon 2	In 3 feet 37 29.5	122 06.9			Pile			Red reflector. Private aid.	
	—Entrance Daybeacon 4	In 3 feet				Pile			Red reflector. Private aid.	
	—Entrance Daybeacon 6	In 3 feet				Pile			Red reflector. Private aid.	
85	—ENTRANCE LIGHT 8 **Fl. W., 4^s**	In 6 feet 37 28.1	122 05.8			Platform on piles		25	Private aid.	1962
	ALVISO CHANNEL									
786	—*Lighted Buoy 2* **Fl. R., 4^s**	In 24 feet at channel entrance. 37 29.6	122 05.2			Red				
787	—*Lighted Buoy 3* **Fl. G., 4^s**	In 15 feet				Black				
788	—*Lighted Buoy 4* **Fl. R., 4^s**	In 15 feet				Red				
	—Daybeacon 5	In 3 feet, off Calaveras Point. 38 27.6	122 03.0			SB on pile structure			Ra ref.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY										
	South End										
	ALVISO CHANNEL										
	— Buoy 6	In 5 feet, at Guadalupe Slough Entrance.					Red nun			Red reflector.	
	Guadalupe Slough Entrance Buoys 1, 2, 3, 4.	In 9 feet					Odd numbered black can; even numbered, red nun.			Odd numbered white refle even numbered; red re	
	Guadalupe Slough Buoys 5, 6, 7, 8, 10, 12, 14, 16, 17, 18, 19, 20, 21, 23, 26, 27, 28, 30.	In 9 feet					Odd numbered, black can; even numbered, red nun.			Odd numbered, white ref even numbered, red re	
	North End (Chart 5532)										
790	YERBA BUENA ISLAND WHARF LIGHT. F. R.	On south end of wharf.	37 48.5	122 21.6			Pole		18		1941
793	*Berkeley Shoal Lighted Horn Buoy 2B.* Fl. R., 4^s	In 35 feet.	37 51.2	122 23.4			Red			HORN, diaphragm; 1 bla ev 10^s (1^sbl).	
793.11	BERKELEY PIER LIGHT Fl. W., 4^s	On end of pier	37 50.9	122 21.6	100		NR on post		14		1965
793.12	BERKELEY BREAKWATER LIGHT 1. Qk. Fl. G.	On south end of detached breakwater.					SB on pole		15		196
793.13	BERKELEY BREAKWATER CENTER LIGHT. Qk. Fl. W.	On detached breakwater near center.					Pole		12		1966
793.14	BERKELEY BREAKWATER LIGHT 2. Occ. W., 4^s (3^slt)	On north end of detached breakwater.	37 52.0	122 19.2	180		TR on pole		15	Higher intensity beam toward Golden Gate. BELL: 1 stroke ev 10^s.	196
794.11	BERKELEY MARINA NORTH LIGHT. Fl. G., 10^s (2^sfl)	On north side of entrance.	37 52.0	122 19.0			Pole		13	Private aid.	1966
794.12	BERKELEY MARINA SOUTH LIGHT. Fl. R., 10^s (2^sfl)		37 52.0	122 19.0			Pole		13	HORN, diaphragm; 1 bla ev 17^s (4^sbl). Private aid.	196
794.51	BERKELEY REEF LIGHT 1 Fl. G., 4^s	In 7 feet, south side of reef.					SB on white column		13		
	Southampton Yacht Course Turning Buoy SH.	In 18 feet, 1,650 yards 119° from Southampton Shoal Light.					Orange and white horizontal bands; can.			Private aid.	
	Berkeley Race Course Buoy X	4,225 yards 108° from Southampton Shoal Light.					Orange and white horizontal stripes; sphere.			Private aid. Center of circle formed by buoy	
	Berkeley Race Course Buoys A, C, E, G.						Orange and white horizontal stripes; sphere.			Private aids.	
	Berkeley Race Course Buoys B, D, F, H.						Orange and white vertical stripes; sphere.			Private aids.	
795	SOUTHAMPTON SHOAL LIGHT Fl. W., 15^s (2^sfl)	In 7 feet, on south end of shoal.	37 52.9	122 24.0	16,000		White cylindrical tower		32	HORN, diaphragm; 2 blasts ev 30^s (2^sbl-6^ssi-2^sbl-20^ssi). Light tower floodlighte from sunset to sunrise.	1905–1960
795.51	QUARRY POINT LIGHT Fl. W., 2.5^s	On point	37 51.7	122 25.1	6 110	10	NR on column		30		197

(1)	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA						TWELFTH DISTRICT	
	SAN FRANCISCO BAY **North End**							
	RICHMOND-SAN RAFAEL BRIDGE WEST CHANNEL							
	POINT CHAUNCEY LIGHT 1 ..... **Fl. G., 4ˢ**	On shore 37 53.7 122 26.9	....	....	SB on white column	25	Higher intensity beam up channel.	1969
	—*Lighted Bell Buoy 2* .... **Fl. W., 4ˢ**	In 36 feet 37 54.2 122 26.2	 100	....	Red			
	—*Lighted Buoy 4*............... **Fl. R., 4ˢ**	In 36 feet..........	....	....	Red..........................			
	Explosive Anchorage 13 Buoy EX..	In 32 feet, marks center of explosive anchorage. 37 55.4 122 27.4	....	....	White nun....................		White reflector.	
	—*Lighted Buoy 6*.............. **Fl. W., 4ˢ**	In 38 feet.......... 37 55.7 122 26.5	....	....	Red........................		Ra ref.	
11	PARADISE CAY LIGHT 1 .... **Fl. G., 4ˢ**	In 10 feet 37 54.9 122 28.4	....	....	Pile	10	Private aid.	
	—Buoy 8........................	In 36 feet..........	....	....	Red nun.................. ..		Ra ref. Red reflector.	
	PIER 34 TOWER AERO LIGHT ... **Fl. R., 5ˢ**	On top of tower	20 130,000	....	....	325	Private aid.	1956
	—Fog Signals.................	At center of main span pointing north and south.	....	....	....		HORNS, diaphragm (2); sound simultaneously; 2 blasts ev 30ˢ (1ˢbl-1ˢsi-1ˢbl-27ˢsi).	1956
	PIER 35 TOWER AERO LIGHT ... **Fl. R., 5ˢ**	On top of tower	 130,000	....	....	325	Private aid.	1956
	—Buoy 9.......................	In 50 feet..........	....	....	Black can...................		Ra ref. White reflector.	
	(For North end see No. 832)							
	SOUTHAMPTON SHOAL CHANNEL							
	—*Lighted Bell Buoy 1SS*........ **Fl. G., 4ˢ**	In 36 feet.......... 37 54.3 122 25.3	....	....	Black........................			
	—*Lighted Buoy 2SS*............ **Fl. R., 4ˢ**	In 35 feet..........	....	....	Red..........................			
	—*Lighted Gong Buoy 4SS*....... **Fl. R., 4ˢ**	In 36 feet..........	....	....	Red.........................			
	—*Lighted Buoy 5SS*............ **Fl. G., 4ˢ**	In 35 feet..........	....	....	Black.......................			
	RICHMOND HARBOR CHANNEL							
3	—*Entrance Lighted Buoy 2*....... **Qk. Fl. W.**	In 34 feet.......... 37 55.2 122 25.2	....	....	Red..........................			
9	RICHMOND HARBOR APPROACH RANGE FRONT LIGHT. **Qk. Fl. W.**	In 7 feet.......... 37 54.0 122 23.4	....	....	KRB on pile structure.........	20	600 cp visible 4° each of rangeline.	1957
0	RICHMOND HARBOR APPROACH RANGE REAR LIGHT. **E. Int. W., 6ˢ**	In 7 feet, 340 yards, 132° from front light.	....	....	KRB on pile structure.........	35	1,100 cp visible 4° each side of range line.	1957
.1	—*Entrance Lighted Buoy 3*....... **Fl. G., 4ˢ**	In 36 feet..........	....	....	Black........................			
2	—*Entrance Lighted Buoy 6* ...... **Qk. Fl. R.**	In 34 feet	....	....	Red			
3	—*Entrance Lighted Buoy 5*....... **Fl. G., 4ˢ**	In 33 feet........ ...	....	....	Black..................... ..			

CALIFORNIA TWELFTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY									
	North End									
	RICHMOND HARBOR CHANNEL									
814	Point Richmond Fog Signal	On end of Santa Fe Ferry Slip.	37 54.5	122 23.5			Dolphin		HORN, diaphragm; 1 blast ev 15^s (4^sbl). A light showing Fl. W. 15^s (4^sfl) of 1,500 cp exhibited when fog signal is in operation. Private aid.	1925
	Richmond Harbor Jetty Daybeacon	Off end of training wall on south side of entrance.	37 54.2	122 23.5			NR on white frame on pile structure.			
815.11	—LIGHT 8 Fl. R., 4^s	In 20 feet					TR on pile	20	BELL: 1 stoke ev 15^s. Operated from July 1 to Mar. 1.	1966
816	—*Lighted Buoy 9* Fl. G., 4^s	In 18 feet					Black			
816.07	—LIGHT 10 Fl. R., 4^s	In 15 feet					TR on pile	15		1966–1968
816.11	BRICKYARD COVE HARBOR LIGHT 1. F. G.	On end of west breakwater.					Pile	8	Private aid.	1965
816.12	BRICKYARD COVE HARBOR LIGHT 2. F. R.	On end of east breakwater.					Pile	8	Private aid.	1965
817.11	—LIGHT 11 Fl. G., 4^s	In 15 feet					SB on pile	15		1966–1970
817.12	—LIGHT 12 Fl. R., 4^s	In 15 feet					TR on pile	15		1966
818	—LIGHT 14 Fl. R., 4^s	In 4 feet					TR on pile structure	25		1931–1957
819	—*Lighted Buoy 16* Fl. W., 4^s	In 17 feet					Red			
	—Buoy 18	In 30 feet					Red nun		Red reflector.	
	NORTH END									
820	Standard Oil Wharf Fog Signal		37 55.3	122 24.6			Building on wharf		SIREN: 2 blasts ev 30^s (3^sbl-2^ssi-1^sbl-24^ssi). Private aid.	1926
821	Standard Oil Wharf Inner Fog Signal.	On wharf	37 55.5	122 24.3					BELL: 1 stroke ev 20^s. Private aid.	1930
	RICHMOND-SAN RAFAEL BRIDGE EAST CHANNEL									
822	—*Lighted Bell Buoy 1* Fl. W., 4^s	In 60 feet	37 55.7	122 25.6			Black		Ra ref.	
823	*Castro Rocks Lighted Buoy 2CR* Fl. R., 4^s	In 42 feet, 165 yards southwest from rocks.					Red			
824	PIER 47 TOWER AERO LIGHT Fl. R., 5^s	On top of tower			130,000			275	Private aid.	1956
825	—Fog Signal	At center of main span pointing north and south.							HORNS, diaphragm (2), sound simultaneously; 1 blast ev 15^s (1^sbl). Private aid.	1956

o.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	North End							
	RICHMOND-SAN RAFAEL BRIDGE EAST CHANNEL							
	PIER 48 TOWER AERO LIGHT **Fl. R., 5^s**	On top of tower	130,000			275	Private aid.	1956
	—Buoy 6	In 48 feet			Red nun		Ra ref. Red reflector.	
	—*Lighted Buoy 8* **Fl. W., 4^s**	In 40 feet			Red		Ra ref.	
	NORTH END							
	MOLATE POINT WHARF SOUTH END LIGHT. **Occ. R., $4^s(3^s lt)$**	On south end of wharf. 37 56.7 122 25.6	400		Tower	32	HORN, diaphragm; 1 blast ev $15^s(2^s bl)$.	1943
	MOLATE POINT WHARF NORTH END LIGHT. **E. Int. R., 6^s**	On north end of wharf	400		Tower	30		1943
	POINT ORIENT WHARF SOUTH LIGHTS. **2 F. R.**	On south end of wharf. 37 57.3 122 25.6			Face of wharf	9	BELL: 3 strokes ev 60^s. Private aid.	1914
	POINT ORIENT WHARF NORTH LIGHTS. **2 F. R.**	On north end of wharf.			Face of wharf	9	Private aid.	1914
	Invincible Rock Lighted Buoy 4 **Qk. Fl. R.**	In 92 feet			Red			
	Whiting Rock Buoy 6	In 36 feet, south of rock.			Red nun		Ra ref. Red reflector	
	SAN FRANCISCO BAY NORTH END LIGHT. **Fl. G., 4^s**	In 13 feet 37 57.5 122 27.3			NR on white column. KRW facing San Rafael Range.	27	Higher intensity beam toward San Rafael Range. BELL: 1 stroke ev 15^s. Operated from Oct. 1 to Mar. 31.	1929–1969
	SAN RAFAEL CREEK							
4	—RANGE FRONT LIGHT **Qk. Fl. R.**	In 3 feet, off easterly point of small island at inner end of cut. 37 58.3 122 29.7			Red rectangular daymark on frame structure on piles.	15	250 cp on rangeline with lower intensity elsewhere.	1923–1962
	—RANGE REAR LIGHT **Occ. R., $4^s (3^s lt)$**	360 yards 293° from front light.			Red rectangular daymark on white column.	25	500 cp visible 1° each side of rangeline.	1923–1969
6	—LIGHT 1 **Fl. W., 4^s**	In 3 feet			Pile structure	20	Green reflector.	1926–1964
7	—LIGHT 3 **Fl. W., 4^s**	In 3 feet			Pile structure	20	Green reflector.	1926–1962
8	—LIGHT 5 **Fl. W., 4^s**	In 3 feet			White column	20	Green reflector.	1926–1964
	NORTH END							
9	EAST BROTHER ISLAND LIGHT **Fl. W., 5^s**	Off Point San Pablo 37 57.8 122 26.0	15 15,000	13	White square tower on dwelling.	61	HORN, diaphragm; 2 blasts ev $30^s (2^s bl-2^s si-2^s bl-24^s si)$. Operates continuously from Oct. 1 to Apr. 1. Emergency light Fl. W., $5^s(1^s fl)$ if main light is extinguished.	1874

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA						TWELFTH DISTRICT	
	SAN FRANCISCO BAY							
	San Pablo Bay (Chart 5533)							
840	—*Lighted Buoy 2* **Fl. R., 4^s**	In 55 feet, 0.2 mile north of Point San Pablo.			Red			
	—Buoy 4	In 26 feet			Red nun		Ra ref. Red reflector.	
841	—*Channel Lighted Bell Buoy SPB.* **Mo. (A) W.**	In 30 feet	100		Black and white vertical stripes.		Ra ref.	
842	—*Channel Lighted Buoy 5* **Fl. W., 4^s**	In 38 feet			Black			
843	—*Channel Lighted Bell Buoy 6* **Fl. R., 4^s**	In 35 feet			Red			
844	—*Channel Lighted Buoy 7* **Fl. G., 4^s**	In 31 feet			Black			
845	—*Channel Lighted Buoy 8* **Fl. R., 4^s**	In 30 feet			Red			
846	—*Channel Lighted Buoy 9* **Qk. Fl. W.**	In 24 feet			Black			
847	—*Channel Lighted Buoy 10* **Fl. R., 4^s**	In 30 feet			Red			
848	—*Channel Lighted Buoy 11* **Fl. G., 4^s**	In 30 feet			Black			
849	—*Channel Lighted Buoy 12* **Fl. R., 4^s**	In 35 feet			Red			
850	—*Channel Lighted Buoy 13* **Fl. W., 4^s**	In 40 feet	100		Black			
851	—*Channel Lighted Horn Buoy 14.* **Fl. R., 4^s**	In 40 feet			Red		HORN, 1 blast ev 10^s (1^sbl). Operated from Oct. 1 to Apr. 1.	1962
852	RODEO RADAR TARGET LIGHT **Fl. W., 4^s**	In 7 feet 38 02.5 122 16.9	100		Dolphin			1962
852.51	SEQUOIA OIL WHARF WEST LIGHT. **F. W.**	On west end of wharf. 38 03.2 122 16.4	300			31	Private aid.	1967
852.52	Sequoia Oil Wharf Fog Signal	On center of wharf					HORN, diaphragm; 1 bla ev 20^s (2^sbl). Private aid.	1967
852.53	SEQUOIA OIL WHARF EAST LIGHT **F. W.**	On east end of wharf.	300			31	Private aid.	1967
853	OLEUM WHARF WEST LIGHTS **4 F. R.**	On west end of wharf. 38 03.4 122 15.8	100			12	BELL: 1 stroke ev 5^s. Private aids.	1955
854	OLEUM WHARF EAST LIGHTS **4 F. R.**	On east end of wharf.	100			12	HORN, diaphragm; 1 blast ev 15^s (2^sbl). Private aids.	1955
	—Buoy 15	In 40 feet			Black can		White reflector.	
854.11	—LIGHT 17 **Fl. G., 6^s(1^sfl)**	On west end of pier. 38 04.2 122 15.1	300		SB on pole	30		1942–196
	(For Mare Island Strait, see No. 864, Carquinez Strait, see No. 880)							
	HAMILTON FIELD							
	—Channel Daybeacon 4	In 4 feet			TR on pile			
	—Channel Daybeacon 6	In 3 feet			TR on pile			
	—Channel Daybeacon 8	In 2 feet			TR on pile			
	—Channel Daybeacon 10	In 2 feet			TR on pile			
	—Channel Daybeacon 12	In 2 feet			TR on pile			
	—Channel Daybeacon 14	In 8 feet			TR on pile			

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
SAN FRANCISCO BAY									
San Pablo Bay									
HAMILTON FIELD									
—Channel Daybeacon 16	In 1 foot			....	....	TR on pile			
—Channel Daybeacon 18	In 1 foot			....	....	TR on pile			
—Channel Daybeacon 20	In 1 foot			....	....	TR on pile			
PETALUMA RIVER									
—ENTRANCE LIGHT 1 **Fl. G., 4^s**	In 6 feet	38 02.7	122 25.9	....	....	SB on white house on pile structure.	17		1945–1966
—ENTRANCE LIGHT 2 **Fl. W., 4^s**	In 6 feet			 100	....	TR on pile structure	15	HORN, diaphragm; 1 blast ev 10^s (1^{s}bl). Operated from Oct. 1 to Mar. 15.	1964
—Entrance Buoy 3	In 9 feet			....	....	Black can		Ra ref. White reflector.	
—Entrance Buoy 4	In 9 feet			....	....	Red nun		Ra ref. Red reflector.	
—Entrance Channel Buoy 5	In 8 feet			....	....	Black can		Ra ref. White reflector.	
—ENTRANCE CHANNEL LIGHT 6. **Fl. R., 4^s**	In 4 feet	38 04.3	122 25.5	....	....	TR on pile structure	26		1910–1954
—Entrance Channel Daybeacon 7.	In 4 feet			....	....	SB on pile			
—Entrance Channel Buoy 8	In 2 feet			....	....	Red nun		Red reflector.	
—Entrance Channel Daybeacon 9.	In 2 feet			....	....	SB on pile			
—ENTRANCE CHANNEL LIGHT 10. **Fl. R., 4^s**	In 4 feet			....	....	TR on pile structure	18		1910–1927
—Entrance Channel Daybeacon 11.	In 1 foot			....	....	SB on pile			
—Entrance Channel Daybeacon 12.	In 1 foot			....	....	TR on pile			
—Entrance Channel Buoy 13	In 8 feet			....	....	Black can		White reflector.	
—ENTRANCE CHANNEL LIGHT 14. **Fl. R., 4^s**	In 6 feet			....	....	TR on white column	20		1923–1969
—Entrance Channel Buoy 15	In 6 feet			....	....	Black can		White reflector.	
—ENTRANCE CHANNEL LIGHT 16. **Fl. W., 4^s**	In 4 feet			....	....	TR on pile structure			1910–1963
—Entrance Channel Buoy 17	In 1 foot			....	....	Black can		White reflector.	
—Entrance Channel Daybeacon 18.	In 1 foot			....	....	TR on pile			
—Entrance Channel Buoy 19	In 10 feet	38 06.6	122 29.1	....	....	Black can		White reflector.	
—ENTRANCE CHANNEL LIGHT 20. **Fl. R., 4^s**	In 7 feet			....	....	TR on pile structure	22		1953
—Buoy 2	In 8 feet			....	....	Red nun		Ra ref. Red reflector.	
—Buoy 4	In 10 feet	38 12.0	122 33.8	....	....	Red nun		Ra ref. Red reflector.	
—LIGHT 5 **Fl. W., 4^s**	In 2 feet, at lower end of cut.	38 12.2	122 34.1	....	....	White rectangular daymark on pile structure.	22	White reflector.	1958
MARE ISLAND STRAIT (Chart 5525)									
—LIGHT 1 **Fl. G., 4^s**	In 25 feet at end of dike.	38 04.3	122 14.8	....	....	SB on pile structure	17		1912–1964
—LIGHT 2 **Fl. W., 5^s**	On outer end of dike No. 9.	38 04 2	122 14.6	 30,000	....	TR on white frame tower	40	BELL: 1 stroke ev 10^s. Operated continuously from Oct. 1 to Apr. 1.	1910–1951 1942–1953
—LIGHT 3 **Fl. G., 2.5^s**	On south end of pier.	38 04.5	122 14.8	 250	....	SB on pole	25		

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	San Pablo Bay							
	MARE ISLAND STRAIT							
867	—LIGHT 4 Fl. R., 2.5^{s}	In 12 feet 38 04.6 122 14.6	400	....	TR on white house on pile structure.	22	BELL: 1 stroke ev 20^{s}. Operated continuously from Oct. 1 to April 1.	1941
868	SPERRY FLOUR WHARF SOUTH END LIGHT. F. R.	In 20 feet 38 04.8 122 14.7	....	....	Pier	15	Private aid.	1960
869	SPERRY FLOUR WHARF NORTH END LIGHT. F. R.	In 20 feet	....	....	Pier	15	Private aid.	1960
869.07	VALLEJO YACHT CLUB NORTH LIGHT. F. G.	In 10 feet 38 06.3 122 16.0	....	....	Pile	5	Private aid.	1966
869.08	VALLEJO YACHT CLUB SOUTH LIGHT. F. R.	In 10 feet	....	....	Pile	5	Private aid.	1966
869.11	VALLEJO MARINA NORTH ENTRANCE LIGHT 1. F. G.	In 20 feet	500	....	Pile	12	Private aid.	1965
869.12	VALLEJO MARINA NORTH ENTRANCE LIGHT 2. F. R.	In 20 feet	500	....	Pile	12	Private aid.	1965
869.13	VALLEJO MARINA SOUTH ENTRANCE LIGHT 1. F. G.	In 20 feet	500	....	Pile	12	Private aid.	1965
869.14	VALLEJO MARINA SOUTH ENTRANCE LIGHT 2. F. R.	In 20 feet	500	....	Pile	12	Private aid.	1965
	NAPA RIVER (Chart 5533)							
	—Buoy 2	In 14 feet 38 07.8 122 16.6	....	....	Red nun		Red reflector.	
870	—LIGHT 3 Fl. G., 4^{s}	In 4 feet	....	....	SB on pile structure	19		1904–1949
871	PACIFIC GAS AND ELECTRIC CO. TOWER LIGHT. Fl. W., 2.5^{s}	On west tower foundation pier. 38 09.2 122 17.8	....	....	Transmission tower	10	Private aid.	1913–1960
	—Daybeacon 5	On shore	....	....	SB on white house on pile structure.			
872	—LIGHT 7 Fl. G., 4^{s}	In 6 feet	....	....	SB on pile structure	15		1932–1962
	—Daybeacon 8	In 12 feet	....	....	TR on pile			
873	—LIGHT 10 Fl. R., 4^{s}	In 3 feet, at Goodluck Point.	....	....	TR on pile structure.	19		1904–1938
874.51	—LIGHT 11 Fl. G., 4^{s}	In 9 feet	....	....	SB on pile	15		1965
875	—LIGHT 13 Fl. G., 4^{s}	In 6 feet at southerly end of Edgerly Island.	....	....	SB and white platform on pile structure.	15		1937
876	—LIGHT 15 Fl. G., 4^{s}	On bank southward of Cuttings Wharf.	300	....	SB on white tower	15		1950
877	—LIGHT 16 Fl. R., 4^{s}	In 5 feet, at Rato Landing.	....	....	TR and white platform on pile structure.	15		1950–1962

	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY										
	San Pablo Bay										
	NAPA RIVER										
	—LIGHT 18 Fl. R., 4^{s}	In 4 feet, at southerly end Horseshoe Bend Cut.					TR and white platform on pile structure.		15		1950
	—LIGHT 20 Fl. R., 4^{s}	On Bank			250		TR on pile structure		15		1950
	Carquinez Strait (Charts 5534, 5574)										
	—Bridge Pier Fog Signal	On south side of center pier of bridge.	38 03.7	122 13.5						HORN, diaphragm; 1 blast ev 30^{s} (2^{s}bl). BELL: on north side of center pier, 1 stroke ev 10^{s}. Private aid.	1930
	—BRIDGE AERO LIGHT Fl. R., 10^{s}	On top of center bridge tower.			170,000				318	Maintained by the Federal Aviation Agency.	1929
	—Bridge Pier 2 Fog Signal	On south side of pier.	38 03.9	122 13.5						BELL: 1 stroke ev 3^{s}. Private aid.	1927
51	—LIGHT 1 Fl. G., 4^{s}	On shore	38 03.6	122 11.6			SB on column		20		1970
	—LIGHT 2 Fl. R., 4^{s}	In 7 feet	38 03.2	122 11.7			TR on dolphin		15	BELL: 1 stroke ev 15^{s}. Operated continuously from Oct. 15 to Mar. 15.	1935–1948
	—LIGHT 4 Fl. R., 6^{s} (1^{s}fl)	In 12 feet	38 02.9	122 11.0	700		TR on white tower on pile structure.		38	BELL: 1 stroke ev 10^{s} Operated from Oct. 1 to April 1.	1932–1950
51	—LIGHT 5 Fl. G., 4^{s}	In 15 feet	38 02.6	122 10.0			SB on column		20		1969
	—*Lighted Bell Buoy 7* Fl. G., 4^{s}	In 36 feet, near southwesterly point of shoal.	38 02.1	122 09.8			Black			BELL: 1 stroke ev 15^{s}. Operated from Oct. 1 to April 1.	
	(For Suisun Bay Channel, see No. 901.51)										
	BENICIA WHARF LIGHT Fl. G., 4^{s}	On southwest end of wharf.	38 02.4	122 08.3			Corner of pier		12	HORN: 1 blast ev 10^{s} (1^{s}bl). Operated from Oct. 1 to April 1.	1942–1969
.11	SHELL OIL WHARF WEST END LIGHT. Occ. R., 2.4^{s}(1.6^{s}lt)		38 01.8	122 08.0	2,000		Mooring dolphin		24	Private aid.	1965
. 12	Shell Oil Wharf Fog Signal									HORN, diaphragm; 1 blast ev 20^{s} (5^{s}bl). Private aid.	1965
.13	SHELL OIL WHARF EAST END LIGHT. Occ. R., 2.4^{s}(1.6^{s}lt)		38 02.0	122 07.7	2,000		Mooring dolphin		24	Private aid.	1965

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	Suisun Bay (Charts 5534, 5575)							
891	AMORCO WHARF LIGHTS 2 F. R.	On outermost end of wharf. 38 02.1 122 07.4	 100	....	....	26 32	BELL: 2 strokes ev 15^s. Private aids.	1926–1955
892	Benicia-Martinez Highway Bridge Main Channel Fog Signal.	On downstream side over middle of span. 38 02.3 122 07.2	....	....	....		HORN; diaphragm; 1 blast ev 20^s (1.5^sbl). Private aid.	1963
893	Benicia-Martinez Highway Bridge Secondary Channel Fog Signal	On downstream side over middle of span. 38 02.6 122 07.5	....	....	....		HORN: diaphragm; 2 blasts ev 20^s (1^sbl-1^ssi-1^sbl-17^ssi). Private aid.	1963
894	— BRIDGE AERO LIGHT Fl. R., 30^s	On top of lift tower, Pier 12. 38 02.3 122 07.2	 180,000	....	....	220	Red lights (8) Flash 3^s (1^sfl) 2,000 cp on top of lift pier 13 and on middle of top chord of each span between piers 11 and 19 incl., except lift span Maintained by Federal Aviation Agency.	1930
895	— Bridge Fog Signal	On upstream side of Pier 13. 38 02.3 122 07.2	....	....	....		SIREN: 2 blasts ev 20^s (1^sbl-2^ssi-1^sbl-16^ssi). Private aid.	1930
896	— Bridge Pier 17 Fog Signal	On southerly side of pier. 38 02.6 122 07.4	....	....	....		SIREN: 1 blast ev 20^s (3^sbl). Private aid.	1930
	— Anchorage 26 Approach Buoy 2	In 25 feet 38 02.6 122 07.1	....	....	Red nun		Red reflector.	
897	— *Anchorage 26 Obstruction Lighted Buoy 3 OB.* Qk. Fl. G.	In 40 feet, marks southeast end of protective pontoon boom. 38 02.8 122 07.2	....	....	Black			
898	— *Anchorage 26 Lighted Buoy A* Fl. W., 4^s	In 22 feet	....	....	White			
	— Anchorage 26 Shoal Buoy 4	In 18 feet	....	....	Red nun		Red reflector.	
899	— *Anchorage 26 Lighted Buoy B* Fl. W., 4^s	In 26 feet	....	....	White			
	SUISUN SLOUGH ENTRANCE							
900	— *Lighted Buoy 1* Fl. W., 4^s	In 8 feet	....	....	Black		Ra ref.	
901	— LIGHT 4 Fl. R., 4^s	In 10 feet	....	....	TR on pile structure	15		1954
	Montezuma Slough Entrance Buoy 2.	In 10 feet	....	....	Red nun		Red reflector.	
	SUISUN BAY							
901.51	— *Channel Lighted Buoy 1* Fl. W., 4^s	In 32 feet, marks southwesterly edge of shoal.	 100	....	Black		Ra ref.	
	— Channel Buoy 2	In 34 feet marks approach through bridge.	....	....	Red		Ra ref. Red reflector.	
	— Channel Buoy 2A	In 15 feet	....	....	Red nun		Ra ref. Red reflector.	
	— Channel Buoy 3	In 34 feet marks approach through bridge.	....	....	Black		Ra ref. White reflector.	

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
SAN FRANCISCO BAY									
Suisun Bay									
—*Channel Lighted Buoy 4* Fl. R., 4^s	In 34 feet			....	....	Red		Ra ref.	
—Channel Buoy 3A	In 33 feet, marks approach through bridge.	38 02.4	122 07.2	....	....	Black can		Ra ref. White reflector.	
—*Channel Lighted Buoy 5* Fl. W., 4^s	In 45 feet			....	....	Black			
AVON WHARF WEST LIGHTS. 3 F. R.	Around west end of wharf.	38 02.9	122 05.6	100	....		16	HORN, diaphragm; 1 blast ev 10^s (2^sbl). Private aids.	1955
AVON WHARF EAST LIGHT. F. W.	On second mooring platform from east end of wharf.			170	....		21	HORN, diaphragm; 2 blasts ev 25^s (2^sbl-2^ssi-2^sbl-19^ssi); 65 yards 083° from light. Private aid.	1914–1955
—*ChannelLighted Buoy 7* Fl. G., 4^s	In 34 feet			....	....	Black			
Seal Islands Channel Junction Lighted Buoy SI. I. Qk. Fl. W.	In 33 feet			....	....	Red and black horizontal bands		Ra ref.	
—*Channel Lighted Buoy 8* Fl. R., 4^s	In 30 feet			....	....	Red		Ra ref.	
POINT EDITH CROSSING RANGE FRONT LIGHT. Qk. Fl. W.	In 5 feet	38 04.0	122 03.2	....	....	KRW on pile structure	16	3,000 cp visible 5° each side of rangeline.	1934–1966
POINT EDITH CROSSING RANGE REAR LIGHT. E. Int. W., 6^s	In 2 feet, 300 yards, 057° from front light.			....	....	KRW on pile structure	28	5,000 cp visible 5° each of rangeline.	1934–1966
(For Seal Island Channel, see No. 925.11)									
—*Channel Lighted Buoy 9* Fl. G., 4^s	In 34 feet			....	....	Black			
—*Channel Lighted Buoy 10* Fl. R., 4^s	In 34 feet			....	....	Red			
—*Channel Lighted Buiy 11* Fl. W., 4^s	In 30 feet			....	....	Black			
—*Channel Lighted Horn Buoy 13* Fl. G., 4^s	In 30 feet			....	....	Black		HORN, 1 blast ev 15^s (1^sbl). Operated from Oct. 1 to Apr. 1.	
—*Channel Lighted Buoy 14* Fl. R., 4^s	In 30 feet			....	....	Red		Ra ref.	
ROE ISLAND CHANNEL RANGE FRONT LIGHT. Qk. Fl. W.	In 12 feet	38 04.0	122 02.7	....	....	KRW on pile structure	16	400 cp visible 4° each side of rangeline.	1957
ROE ISLAND CHANNEL RANGE REAR LIGHT. E. Int. W., 6^s	In 2 feet, 515 yards, 284° from front light.			....	....	KRW on pile structure	31	700 cp visible 4° each side of rangeline.	1957
—*Channel Lighted Buoy 15* Fl. G., 4^s	In 30 feet			....	....	Black			

(1) No.	(2) Name / Characteristic	(3) Location / Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY									
	Suisun Bay									
	PORT CHICAGO (Chart 5575)									
920	—PIER 2 WEST END LIGHT **F. R.**	On northwest corner of pier. 38 03.5	122 01.6	450		Pole		25	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1944
921	— PIER 2 EAST END LIGHT **F. R.**	On northeast corner of pier.		450		Pole		25		1944
922	— PIER 3 WEST END LIGHT **Fl. R., 4^{s}**	38 03.5	122 00.9	250		Pole		25		1944
923	— PIER 3 EAST END LIGHT **F. R.**	On easterly end of pier.		450		Pole		25		1944
924	— PIER 4 WEST END LIGHT **Fl. R., 2.5^{s}**	38 03.4	122 00.2	250		Pole		25		1945
925	— PIER 4 EAST END LIGHT **F. R.**	On easterly end of pier.		450		Pole		25	HORN, diaphragm; 1 blast ev 15^{s}(3^{s}bl).	1945
	SEAL ISLANDS CHANNEL									
925.11	—LIGHT 2 **Fl. R., 4^{s}**	In 13 feet off point 38 03.2	122 04.2			TR		19		1910–1912
	—Buoy 4	In 26 feet 38 03.2	122 03.9			Red nun			Red reflector.	
	—Buoy 3	In 22 feet				Black can			White reflector.	
	—Buoy 5	In 18 feet				Black can			White reflector.	
	—Buoy 6	In 30 feet				Red nun			Red reflector.	
925.51	—LIGHT 8 **Fl. W., 4^{s}**	On wharf, off Seal Bluff Landing. 38 03.4	122 02.3	1,100		TR on pole		25		1943
	—Buoy 9	In 18 feet				Black can			White reflector.	
	FISHERMAN CHANNEL									
	— Buoy 1	In 17 feet 38 04.0	122 01.5			Black can			White reflector.	
	—Buoy 2	In 18 feet				Red nun			Red reflector.	
	—Daybeacon 3	In 6 feet				SB on pile				
	—Buoy 4	In 11 feet				Red nun			Red reflector.	
	—Daybeacon 6	In 5 feet				TR on pile				
926	MIDDLE POINT LIGHT **Fl. W., 4^{s}**	In 29 feet, off point 38 03.3	121 59.5			Pile structure		21		1901–194
	FISHERMAN CHANNEL									
	Port Chicago Restricted Area Buoy A.	In 30 feet				Orange and white vertical stripes; nun.			White reflector.	
	SUISUN BAY									
927	—*Channel Lighted Buoy 17* **Fl. G., 4^{s}**	In 33 feet				Black			Ra ref.	
928	—*Channel Lighted Buoy 18* **Fl. R., 4^{s}**	In 32 feet				Red				
929	—*Channel Lighted Horn Buoy 19* **Fl. W., 4^{s}**	In 36 feet				Black			HORN, 1 blast ev 10^{s} (1^{s}bl). Operated from Oct. 1 to Apr. 1.	
930	—*Channel Lighted Buoy 20* **Qk. Fl. R.**	In 32 feet				Red				
931	—*Channel Lighted Buoy 22* **Fl. R., 4^{s}**	In 30 feet				Red				

	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic Range	(6) Structure		(7)	
	Characteristic	Lat. N.	Long. W.	Intensity		Ht. above ground	Ht. above water	Remarks	Year
	SAN FRANCISCO BAY								
	Suisun Bay								
	—LIGHT 24 **Fl. R., 4^s**	In 18 feet, off point 38 03.1	 121 56.9			TR on pile structure	19		1901–1949
	—*Lighted Buoy 25* **Fl. G., 4^s**	In 34 feet 38 03.1	 121 56.0			Black		Ra ref.	
	(Chart 5576)								
	—LIGHT 26 **Fl. W., 4^s**	In 20 feet 38 02.6	 121 55.0	100		TR on pile structure	20	Higher intensity beam up and down channel.	1957
	—*Lighted Bell Buoy 28* **Qk. Fl. R.**	In 32 feet, west side of entrance to New York Slough.				Red			
	NEW YORK SLOUGH								
	—*Lighted Buoy NY* **I. Qk. Fl. W.**	In 32 feet, on east side of entrance to New York Slough.				Black and red horizontal bands			
	—LIGHT 2 **Fl. W., 4^s**	On New York Point 38 02.5	 121 53.1	100		TR on pile structure	20	Higher intensity beams up and down Reach.	1929–1966
	—*Lighted Buoy 3* **Fl. G., 4^s**	In 26 feet				Black		Ra ref.	
	—LIGHT 5 **Fl. G., 4^s**	In 33 feet 38 02.0	 121 52.0			SB on white column	20		1959–1968
	—LIGHT 7 **Fl. G., 4^s**	In 10 feet, off south side of Brown Island.				SB on white column	20		1934
	—LIGHT 8 **Fl. R., 2.5^s**	38 01.8	121 51.2	250		TR on white square pyramidal tower.	20		1934–1939
	—LIGHT 10 **Fl. R., 4^s**	On Standard Oil Wharf, on gable of warehouse. 38 01.6	 121 50.7	250		TR on small tower on building	30		1953
	—LIGHT 11 **Fl. G., 4^s**	In 31 feet, off south end of Winter Island. 38 01.7	 121 50.6			SB on pile	18		1959
	SUISUN BAY								
	—*Lighted Buoy 29* **Fl. G., 4^s**	In 33 feet 38 03.0	 121 53.1			Black		Ra ref.	
	—*Lighted Buoy 30* **Fl. R., 4^s**	In 32 feet				Red		Ra ref.	
	—*Lighted Buoy 32* **Fl. R., 4^s**	In 30 feet				Red		Ra ref.	
	—LIGHT 33 **Fl. G., 4^s**	In 24 feet, off island. 38 03.8	 121 52.1			SB on pile structure	23		1949
	San Joaquin River (Chart 5534, 5527)								
8	*Sacramento Channel Lighted Buoy SC.* **I. Qk. Fl. W.**	In 40 feet 38 03.8	 121 51.0			Red and black horizontal bands.		Ra ref.	
.11	—LIGHT 2 **Fl. W., 4^s**	In 16 feet off southeast point of Winter island. 38 01.7	 121 50.6	100		TR on pile structure	21		1965
	(For Sacramento Channel see No. 1047)								

SAN FRANCISCO BAY

San Joaquin River

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	—Buoy 1	In 14 feet					Black can			White reflector.	
950	—*Lighted Buoy 4* Fl. R., 4^s	In 45 feet					Red				
951	—LIGHT 3 Fl. W., 4^s	In 16 feet, off west end of island.	38 01.7	121 49.4	100		SB on pile		20	Higher intensity beam down channel.	1959–1966
952	*Antioch Lighted Buoy* I. Qk. Fl. R.	In 35 feet					Red and black horizontal bands.				
953.11	—LIGHT 5 Fl. G., 4^s	In 26 feet, 50 feet outside channel limit.					SB on pile		20		1966
954.11	—LIGHT 7 Fl. G., 4^s	In 24 feet, 50 feet outside channel limit.					SB on pile		20		1966
955	—LIGHT 9 Fl. W., 4^s	In 10 feet, south of Donlon Island.	38 01.7	121 46.0	100		SB on pile		25		1933–1960
956	—LIGHT 10 Fl. R., 4^s	IN 4 feet, at east end of West Island.	38 01.6	121 46.0			TR on pile		25		1939–1969
957	—*Lighted Buoy 12* Fl. R., 4^s	In 30 feet					Red			Ra ref.	
958	Antioch-Sherman Island Bridge Fog Signal.	On pier between navigable channels.	38 01.7	121 45.0						HORNS, diaphragm (2); 1 blast ev 15^s (2^s bl). Private aid.	1925
	— Buoy 13	In 37 feet, marks approach through bridge.					Black can			Ra ref. White reflector.	
	— Buoy 14	In 35 feet, marks approach through bridge.					Red nun			Ra ref. Red reflector.	
	— Buoy 15	In 34 feet, marks approach through bridge.					Black can			Ra ref. White reflector.	
	— Buoy 16	In 34 feet, marks approach through bridge.					Red nun			Ra ref. Red reflector.	
959	—*Lighted Buoy 17* Fl. G., 4^s	In 30 feet, at west point of Corning Shoal.					Black			Ra ref.	
960	—LIGHT 18 Fl. R., 4^s	On levee, westerly end of Jersey Island.					TR on pole		25		1928–196
961	—*Lighted Buoy 19* Fl. G., 4^s	In 28 feet					Black				
962	—*Lighted Buoy 21* Fl. G., 4^s	In 30 feet					Black				
963	—*Lighted Buoy 23* Fl. G., 4^s	In 32 feet					Black				
964	—LIGHT 24 Gp. Fl. R., 10^s 1^sfl., 2^sec. 1^sfl., 6^sec. 2 flashes.	On north end of Jersey Island.			1,000		TR on white skeleton tower		20		193
965	—*Lighted Buoy 25* Fl. G., 4^s	In 30 feet, opposite mouth of False River.					Black				
966.11	—LIGHT 26 Fl. R., 4^s	In 12 feet	38 04.0	121 40.5			TR on pile structure		25	Higher intensity beam u channel. Ra ref.	196
966.51	—*Lighted Buoy 26A* Fl. R., 4^s	In 31 feet	38 05.0	121 40.6			Red			Ra ref.	

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo- graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY										
	San Joaquin River										
	THREEMILE SLOUGH LIGHT 1 Fl. W., 4^{s}	In 6 feet	38 05.1	121 41.1			SB on white column		25		1934–1969
10	*Threemile Slough Lighted Buoy 2* Fl. R., 4^{s}	In 17 feet	38 05.2	121 41.1			Red			Ra ref.	
	—LIGHT 27 Fl. G., 4^{s}	On lower end of Twitchell Island.	38 05.3	121 40.9			SB on white pole on pile structure.		20		1930–1970
10	—*Lighted Buoy 27A* Fl. W., 4^{s}	In 50 feet	38 05.6	121 40.5			Black			Ra ref.	
	—*Lighted Buoy 28* Fl. R., 4^{s}	In 42 feet					Red				
	—*Lighted Buoy 28A* Fl. R., 4^{s}	In 34 feet					Red			Ra ref.	
	—LIGHT 29 Fl. G., 4^{s}	In 2 feet, at Kentucky landing.	38 05.9	121 40.1			SB on white pole on pile structure.		21		1933–1970
	—LIGHT 30 Fl. R., 4^{s}	In 18 feet, at north end of Bradford Island.	38 05.4	121 39.2			TR on white column		20		1937–1970
	—*Lighted Buoy 31* Fl. G., 4^{s}	In 25 feet, marks south side of Santa Clara Shoal.					Black			Ra ref.	
	—LIGHT 32 Fl. R., 4^{s}	At entrance to Fishermans Cut.	38 05.2	121 38.4			TR on white pole on pile structure.		20		1933–1970
	—LIGHT 33 Fl. G., 4^{s}	In 15 feet, at Oulton Point.	38 05.4	121 38.1			SB on white column		25		1930–1969
.51	—*Lighted Buoy 33A* Fl. G., 4^{s}	In 60 feet					Black			Ra ref.	
	—*Lighted Buoy 34* Fl. R., 4^{s}	In 30 feet					Red				
	—LIGHT 35 Fl. G., 4^{s}	In 6 feet, west of entrance to Sevenmile Slough.					SB on white pole on pile structure.		25		1933–1970
	—LIGHT 36 Fl. R., 4^{s}	In 2 feet, at Webb Reach.	38 06.1	121 36.1			TR on white column		27		1937–1970
9	—*Lighted Buoy 38* Fl. R., 4^{s}	In 32 feet					Red			Ra ref.	
	—*Lighted Buoy 40* Fl. R., 4^{s}	In 28 feet, off Webb Point.					Red			Ra ref.	
	—*Lighted Buoy 41* Fl. G., 4^{s}	In 30 feet, at easterly end of San Andreas Shoal.					Black			Ra ref.	
	—*Lighted Buoy 43* Fl. G., 4^{s}	In 29 feet, opposite Webb Point.					Black			Ra ref.	
1	—*Lighted Buoy 45* Fl. G., 4^{s}	In 29 feet, off Potato Slough.					Black			Ra ref.	
4	LIGHT 47 Fl. G., 4^{s}	In 7 feet, off Potato Point.	38 04.8	121 34.1			SB on white column		20		1930–1967
5	—LIGHT 49 Fl. G., 4^{s}	Opposite mouth of Old River.	38 04.6	121 33.8			SB on column		20		1933–1969
6	—LIGHT 50 Fl. R., 4^{s}	On Hayes Point	38 04.1	121 33.6			TR on pile structure		20		1930–1970
37	—LIGHT 51 Fl. G., 4^{s}	On Prisoners Point	38 03.7	121 33.3			SB on pile structure		24		1933–1970
38	—LIGHT 52 Qk. Fl. W.	Opposite Prisoners Point.	38 03.5	121 33.3			TR on white column. KRW facing Stockton Channel Range 1.		27	Higher intensity beam up	1930–1970

SAN FRANCISCO BAY

San Joaquin River

STOCKTON CHANNEL

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
990	—RANGE B FRONT LIGHT Qk. Fl. W.	In 25 feet, north of Burns Reach.	38 03.2	121 30.5	....	....	KRW on white column	20	900 cp on rangeline with lower intensity elsewhere.	1933–1971
991	—RANGE B REAR LIGHT E. Int. W., 6^s	300 yards 098° from front light.			....	....	KRW on white column	35	1,600 cp visible 1° each side of rangeline.	1933–1971
992	—LIGHT 2 Fl. R., 4^s	West end of Mandeville Cut.			....	....	TR on white pole on pile structure.	25		1933–1970
993	—LIGHT 3 Fl. G., 4^s	West end of Venice Cut.			....	....	SB on white pole on pile structure.	30		1933–1970
994	—LIGHT 4 Fl. R., 4^s	West end of Venice Cut.			....	....	TR on pile structure	19		1933–1970
995	—LIGHT 5 Fl. G., 4^s	East end of Venice Cut.			....	....	SB on white pole on pile structure.	22		1933–1970
996	—LIGHT 6 Fl. R., 4,	East end of Venice Cut.			....	....	TR on white pole on pile structure.	22		1933–1970
998	—LIGHT 8 Fl. R., 4^s	In 17 feet			....	....	TR on white column	20		1933–1971
999	—LIGHT 9 Fl. G., 4^s	In 22 feet			....	....	SB on pile	19		1933–1959
1000	—LIGHT 10 Fl. R., 4^s	East end of Burns Reach.			....	....	TR on white pole	25		1933–1970
1001	—LIGHT 11 Fl. G., 4^s	Opposite Wards Island.			....	....	SB on white tower	22		1933
1002	—LIGHT 12 Fl. R., 4^s	East end of Wards Island.			....	....	TR on white pole on pile structure.	24		1933–1970
1003	—RANGE C FRONT LIGHT Qk. Fl. W.	In 17 feet	38 02.7	121 30.1	....	....	KRW on white column	20	900 cp on rangeline with lower intensity elsewhere.	1933–1971
1004	—RANGE C REAR LIGHT E. Int. W., 6^s	300 yards 306° from front light.			....	....	KRW on white column	35	1,600 cp visible 1° each side of rangeline.	1933–1971
1005	—RANGE 2 EAST END LIGHT E. Int. G., 6^s	In 9 feet , at south easterly end of Range 2 Line projected.	38 01.3	121 27.8	....	....	KRW with white vertical stripe on pole on pile structure.	26	900 cp visible 1° each side of rangeline.	1935–1970
1006	—LIGHT 13 Fl. G., 4^s	In 20 feet			....	....	SB on pile	19		1933–1959
1007	—LIGHT 14 Fl. R., 4^s	In 12 feet			....	....	TR on white column	20		1933–1971
1009	—LIGHT 16 Fl. R., 4^s	In 12 feet	38 01.5	121 28.1	....	....	TR on white column	23		1935–1970
1010	—LIGHT 17 Qk. Fl. G.	In 16 feet, on east side of channel.			....	....	SB on white column	25		1933–1968
1011	—LIGHT 18 Fl. R., 4^s	On west side of channel.			....	....	TR on white column	24		1933–1969
1012	—RANGE D FRONT LIGHT Qk. Fl. W.	In 18 feet	38 01.5	121 28.0	....	....	KRW on white column	24	900 cp on rangeline with lower intensity elsewhere.	1933–1970
1013	—RANGE D REAR LIGHT E. Int. W., 6^s	625 yards 329° from front light.			....	....	KRW on white column	40	1,600 cp on rangeline wit lower intensity elsewhere.	1933–1971
1014	—RANGE 3 EAST END LIGHT Qk. Fl. W.	In 4 feet	37 59.9	121 26.7	....	....	KRW on pole on pile structure	61	900 cp visible 1° each side of rangeline.	1935–1970
1015	—LIGHT 19 Fl. G., 4^s	In 12 feet			....	....	SB on white column	20		1933–1971
1016	—LIGHT 20 Fl. R., 4^s	In 12 feet			....	....	TR on white column	20		1933–1971

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
SAN FRANCISCO BAY									
San Joaquin River									
STOCKTON CHANNEL									
—LIGHT 21 **Fl. G., 4^s**	In 8 feet, near south end of Hog Island. Cut.		....	....	Pile		19		1933–1959
—LIGHT 22 **Fl. R., 4^s**	In 12 feet		....	....	TR on white column		20		1933–1971
—LIGHT 23 **Fl. G., 4^s**	Opposite Acker Island.		....	....	SB on white pole on pile structure.		25		1933–1970
—LIGHT 24 **Fl. R., 4^s**	Off east end of Acker Island.		....	....	TR on white pole on pile structure.		25		1933–1970
—LIGHT 25 **Fl. G., 4^s**	In 14 feet		....	....	SB on white column		20		1933–1971
—LIGHT 26 **Fl. R., 4^s**	At Turner Landing		....	....	TR on column		24		1933–1969
—LIGHT 27 **Fl. G., 4^s**	In 12 feet		....	....	SB on white column		20		1933–1971
—LIGHT 28 **Fl. R., 4^s**	In 15 feet 37 59.6	121 25.9	....	....	TR on white column		20		1933–1971
—LIGHT 29 **Fl. G., 4^s**	Off Walters Island		....	....	SB on column		25		1933–1971
—LIGHT 30 **Fl. R., 4^s**	Opposite Walters Island.		....	....	TR on white pole on pile structure.		25		1933–1970
—LIGHT 31 **Fl. G., 4^s**	In 15 feet		....	....	SB on white column		20		1933–1971
—LIGHT 32 **Fl. R., 4^s**	In 14 feet		....	....	TR on white column		20		1933–1971
—LIGHT 33 **Fl. G., 4^s**	Near east end of Morrison Island.		....	....	SB on white pole on pile structure.		24		1933–1970
—LIGHT 34 **Fl. R., 4^s**	Opposite Light 33		....	....	White tower on pile structure		22		1933–1957
—RANGE H FRONT LIGHT **Qk. Fl. G.**	In 16 feet 37 59.1	121 23.3	....	....	KRW with white vertical stripe on column.		25	900 cp on rangeline with lower intensity elsewhere.	1933–1969
—RANGE H REAR LIGHT **E. Int. G., 6^s**	657 yards 115° from front light.		....	....	Skeleton tower, black triangular daymark.		51	1. 800 cp visible 1° each side of rangeline.	1933
—LIGHT 36 **Fl. R., 4^s**	In 22 feet		....	....	TR on white column		20		1933–1971
—LIGHT 38 **Fl. R., 4^s**	In 14 feet		....	....	TR on white column		20		1933–1971
—RANGE J FRONT LIGHT **Qk. Fl. W.**	In 15 feet 37 59.2	121 23.5	....	....	KRW on white colum		20	900 cp on rangeline with lower intensity elsewhere.	1935– 1971
—RANGE J REAR LIGHT **E. Int. W., 6^s**	750 yards 317° from front light.		....	....	Skeleton tower		65	1. 600 cp visible 1° each side of rangeline.	1947
—LIGHT 39 **Fl. G., 4^s**	In 17 feet		....	....	SB on white column		20		1933–1971
—LIGHT 40 **Fl. R., 4^s**	In 17 feet		....	....	TR on white column		20		1933–1971
—LIGHT 41 **Fl. G., 4^s**	In 16 feet		....	....	SB on white column		20		1933–1971
—LIGHT 42 **Fl. R., 4^s**	In 16 feet		....	....	TR on white column		20		1933–1971
—LIGHT 43 **Fl. G., 4^s**	In 24 feet		....	....	SB on white column		20		1933–1971

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA						TWELFTH DISTRICT	
	SAN FRANCISCO BAY							
	San Joaquin River							
	STOCKTON CHANNEL							
1044	—LIGHT 45 **Fl. G., 4^s**	West end of spoil bank near mouth of Smith Canal.			SB on white tower on pile structure.	25		1933–1971
1044. 10	ROD & GUN CLUB LIGHT **F. G.**	End of dock 37 57.3 121 20.6			Pole on dock	10	Private aid.	1970
1045	—LIGHT 48 **Fl. R., 4^s**	In 15 feet			TR on white column	20		1933–1971
	Sacramento Channel (Charts 5534, 5527, 5528)							
1047	—*Lighted Buoy 1* **Fl. G., 4^s**				Black		Ra ref.	
1048 949	—*Lighted Buoy SC* **I. Qk. Fl. W.**				Red and black horizontal bands		Ra ref.	
1049	—*Lighted Buoy 3* **Fl. G., 4^s**				Black		Ra ref.	
1050	—*Lighted Buoy 4* **Fl. R. 4^s**				Red		Ra ref.	
1051	—*Lighted Buoy 7* **Fl. G., 4^s**				Black		Ra ref.	
1052	—*Lighted Buoy 9* **Fl. G., 4^s**				Black		Ra ref.	
1053	—*Lighted Buoy 10* **Fl. R., 4^s**				Red		Ra ref.	
1054	—*Lighted Buoy 11* **Fl. G., 4^s**				Black		Ra ref.	
1055	—*Lighted Buoy 12* **Fl. R., 4^s**				Red		Ra ref.	
1056	—*Lighted Buoy 13* **Fl. G., 4^s**				Black		Ra ref.	
1057	—*Lighted Buoy 14* **Fl. R., 4^s**				Red		Ra ref.	
1058	—*Lighted Buoy 15* **Fl. G., 4^s**				Black		Ra ref.	
1059	—*Lighted Buoy 16* **Fl. W., 4^s**				Red		Ra ref.	
1060	—*Lighted Buoy 17* **Fl. G., 4^s**				Black		Ra ref.	
1061	—*Lighted Buoy 18* **Fl. R., 4^s**				Red		Ra ref.	
1062	—*Lighted Buoy 19* **Fl. G., 4^s**				Black		Ra ref.	
1063	—*Lighted Buoy 20* **Fl. R., 4^s**				Red		Ra ref.	
1064	—*Lighted Buoy 21* **Fl. G., 4^s**				Black		Ra ref.	
1065	—*Lighted Buoy 22* **Fl. R., 4^s**				Red		Ra ref.	
1066	—*Lighted Buoy 23* **Fl. G., 4^s**				Black		Ra ref.	
1067	—*Lighted Buoy 24* **Fl. R., 4^s**				Red		Ra ref.	
1068	—*Lighted Buoy 25* **Fl. G., 4^s**				Black		Ra ref.	
1069	—*Lighted Buoy 26* **Fl. R., 4^s**				Red		Ra ref.	

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	Sacramento Channel							
	—*Lighted Buoy 27* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 28* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	DECKER ISLAND NORTH END LIGHT. **Fl. W., 4^s**	On north point of Decker Island. 38 06.3 121 42.6	....	....	Skeleton tower	58		1923–1966
	—*Lighted Buoy 29* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 30* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	—*Lighted Buoy 31* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 33* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 34* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	—*Lighted Buoy 35* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 37* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 38* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	—*Lighted Buoy 39* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 40* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	—*Lighted Buoy 42* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
	—*Lighted Buoy 43* **Fl. G., 4^s**	....	....	....	Black		Ra ref.	
	—*Lighted Buoy 44* **Fl. W., 4^s**	....	....	....	Red		Ra ref.	
	—Buoy 46	....	....	....	Red nun		Ra ref. Red reflector.	
5	Rio Vista Bridge Fog Signals	One on north and one on south side of the west fender pier of lift span. 38 09.5 121 40.9	....	....	....		HORNS, diaphragm (2); 1 blast ev 20^s (3^sbl). Horns sound simultaneously. Operated only upon Request. Private aids.	1924–1960
	—Buoy 47	....	....	....	Black can		Ra ref. White reflector.	
7	—*Lighted Buoy 49* **Fl. W., 4^s**	....	....	....	Black		Ra ref.	
8	—*Lighted Buoy 50* **Fl. R., 4^s**	....	....	....	Red		Ra ref.	
9	—LIGHT 51 **Fl. G., 4^s**	In 8 feet, opposite Southwest end of Grand Island.	....	....	SB on pile structure	20		1915–1951
0	—LIGHT 53 **Fl. G., 4^s**	In 28 feet	....	....	SB on pile structure	25		1963
1	—LIGHT 54 **Fl. R., 4^s**	In 28 feet	....	....	TR on white column	25		1963–1965
2	—LIGHT 55 **Fl. G., 4^s**	In 28 feet	....	....	SB on pile structure	25		1963
93.12	—*Lighted Buoy 55A* **Fl. G., 4^s**	In 27 feet	....	....	Black			
94	—LIGHT 56 **Fl. R., 4^s**	On levee	....	....	TR on white column	25		1963
95	—LIGHT 57 **Fl. G., 4^s**	In 28 feet	....	....	SB on white column	25		1963–1965

CALIFORNIA

TWELFTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	Sacramento Channel							
1095.11	—*Lighted Buoy 58* Fl. R., 4^s	In 34 feet			Red		Ra ref.	
1096.11	—*Lighted Buoy 59* Fl. G., 4^s	In 28 feet			Black			
1097	—LIGHT 60 Fl. R., 4^s	On levee			TR on white column	25		1963
1098	—LIGHT 61 Fl. G., 4^s	In 28 feet			SB on white column	25		1963–1965
1099	—LIGHT 62 Fl. R., 4^s	On levee			TR on white column	25		1963
1100	—LIGHT 63 Fl. G., 4^s	In 28 feet			SB on white column	25		1963–1965
1101	—LIGHT 64 Fl. R., 4^s	On levee			TR on white column	25		1963
1102	—LIGHT 65 Qk. Fl. G. Qk. Fl. W.	In 28 feet			SB on white column	25	Light changes to Qk. Fl. W. when abeam proceeding upstream.	1963–1965
1103	—LIGHT 66 Fl. R., 4^s	In 28 feet			TR on white column	25		1963–1967
1104	—LIGHT 67 Qk. Fl. G.	In 4 feet			SB on white column	25		1963
1105	—LIGHT 68 Qk. Fl. R.	In 4 feet			TR on white column	25		1963
1106	—LIGHT 69 Fl. G., 4^s	In 2 feet			SB on white column	25		1963
1107	—LIGHT 70 Fl. R., 4^s	In 2 feet			TR on white column	25		1963
1108	—LIGHT 71 Fl. G., 4^s	In 1 foot			SB on white column	25		1963
1109	—LIGHT 72 Fl. R., 4^s	In 1 foot			TR on white column	25		1963
1110	—LIGHT 73 Fl. G., 4^s				SB on white column	25		1963
1111	—LIGHT 74 Fl. R., 4^s				TR on white column	25		1963
1112	—LIGHT 75 Qk. Fl. G. Qk. Fl. W.				SB on white column	25	Light changes to Qk. Fl. W. when abeam proceeding upstream.	1963
1113	—RANGE 2 FRONT LIGHT Qk. Fl. W.				White column. On same structure as Light 75.	25	800 cp on range line with lower intensity elsewhere.	1964
1114	—RANGE 2 REAR LIGHT E. Int. W., 6^s	540 yards 200° from front light.			White column	43	1,900 cp visible 5° each side of rangeline.	1963
1115	—LIGHT 76 Fl. R., 4^s				TR on white column	25		1963
1116	—LIGHT 77 Qk. Fl. G. Qk. Fl. W.				SB on white column	25	Light changes to Qk. Fl. W. when abeam proceeding downstream.	1963
1117	—RANGE 1 FRONT LIGHT Qk. Fl. W.				White column. On same structure as Light 77.	25	800 cp on range line with lower intensity elsewhere.	1964
1118	—RANGE 1 REAR LIGHT E. Int. W., 6^s	600 yards 011° from front light.			White column	43	1,900 cp visible 5° each side of rangeline.	1964
1119	—LIGHT 78 Fl. R., 4^s				TR on white column	25		1963

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	Sacramento Channel							
	—LIGHT 79 Fl. G., 4^s				White column	18		1963
	—LIGHT 80 Fl. R., 4^s				TR on white column	18		1963
	—LIGHT 81 Fl. G., 4^s				White column	18		1963
	—LIGHT 82 Fl. R., 4^s				TR on white column	18		1963
	—LIGHT 83 Fl. G., 4^s				White column	18		1963
	—LIGHT 84 Fl. R., 4^s				TR on white column	18		1963
	—LIGHT 85 Fl. G., 4^s				White column	18		1963
	—LIGHT 86 Qk. Fl. R. Qk. Fl. W.				TR on white column	18	Light changes to Qk. Fl. W. when abeam proceeding upstream.	1963
	—RANGE 4 FRONT LIGHT Qk. Fl. W.		800		White column. On same structure as Light 86.	18	800 cp on range line with lower intensity elsewhere.	1964
	—RANGE 4 REAR LIGHT E Int. W., 6^s	400 yards 180° from front light.			White column	36	1,900 cp visible 5° each side of rangeline.	1964
	—LIGHT 87 Fl. G., 4^s				White column	18		1963–1967
1	—LIGHT 88 Qk. Fl. W. Qk. Fl. R.				TR on white column	18	Light changes to Qk. Fl. W. when abeam proceeding downstream.	1963
2	—RANGE 3 FRONT LIGHT Qk. Fl. W.				White column. On same structure as Light 88.	18	800 cp on range line with lower intensity elsewhere.	1964
3	—RANGE 3 REAR LIGHT E. Int. W., 6^s	700 yards 020° from front light.			White column	36	1,900 cp visible 5° each side of rangeline.	1964
4	—LIGHT 89 Fl. G., 4^s				SB on white column	22		1963
35	—LIGHT 90 Fl. R., 4^s				TR on white column	22		1963
6	—LIGHT 91 Fl. G., 4^s				SB on white column	22		1963
7	—LIGHT 92 Fl. R., 4^s				TR on white column	22		1963–1967
8. 11	—RANGE 5 FRONT LIGHT Qk. Fl. W.				White column	22	800 cp on range line with lower intensity elsewhere.	1964
3. 12	—RANGE 5 REAR LIGHT E. Int. W., 6^s	370 yards 000° from front light.			White column	40	1,900 cp visible 5° each side of rangeline.	1964
0	—LIGHT 95 Fl. G., 4^s				SB on white column	22		1963
41	—LIGHT 96 Qk. Fl. R.				TR on white column	22		1963
2	—LIGHT 97 Fl. G., 4^s				SB on white column	22		1963–1971
43	—LIGHT 98 Qk. Fl. R.				TR on white column	22		1963
4	—LIGHT 99 Fl. G., 4^s				White column	22		1963

CALIFORNIA **TWELFTH DISTRICT**

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN FRANCISCO BAY							
	Sacramento Channel							
1145	—LIGHT 100 Fl. R., 4^s	....	....	....	TR on white column	22		1963
1146	—LIGHT 101 Fl. G., 4^s	....	....	....	SB on white column	22		1963
1147	—LIGHT 102 Fl. R., 4^s	....	....	....	TR on white column	22		1963
	Sacramento River							
	—Buoy 2	In 10 feet	....	....	Red nun		Ra ref. Red reflector.	
1148	—LIGHT 1 Fl. W., 4^s	On point of levee at southwest end of Grand Island.	100	....	SB on pile structure	20		1899–1961
1149	—LIGHT 4 Fl. R., 4^s	In 10 feet, west of Ida Island.	....	....	TR on pile structure	20		1924–1943
1150	—LIGHT 5 Fl. G., 4^s	In 3 feet, opposite Ida Island.	....	....	SB on pile structure	20		1934–1949
1151	—LIGHT 6 Fl. R., 4^s	East of Ida Island	....	....	TR on pile structure	24		1934–1938
1152	—LIGHT 8 Fl. R., 4^s	In 6 feet, on Andrus Island.	....	....	TR on dolphin	15		1937–1945
1153	—LIGHT 9 Fl. G., 4^s	On levee 0.5 miles above Ryde.	....	....	SB on pump house	15		1937–1967
1154	—LIGHT 11 Fl. G., 4^s	In 6 feet, below Walnut Grove Bridge.	....	....	SB on dolphin	15		1937–1945
1155	WALNUT GROVE LIGHTS 2 F. R.	On each end of floating wharf.	....	....	Pole	10	Private aids.	1962
1156	—LIGHT 13 Fl. G., 4^s	2.5 miles below Hood.	....	....	SB on white frame structure adjacent to pump building.	25		1951
1157	—LIGHT 14 Fl. R., 4^s	In 6 feet, 1.6 miles below Hood.	....	....	TR on pile structure on pump house.	15		1937–1964
1158	—LIGHT 16 Fl. R., 4^s	0.9 mile below Hood.	....	....	TR on small gray building	20		1929–1939
1159	—LIGHT 18 Fl. R., 4^s	0.6 mile below Hood.	....	....	TR on pile structure	20		1927–1962
1160	—LIGHT 19 Fl. G., 4^s	1.9 miles above Clarksburg.	....	....	SB on pile structure	25		1929–1962
1161	—LIGHT 20 Fl. R., 4^s	1.9 miles below Freeport.	....	....	TR on small platform on levee	20		1927–1941
1162	—LIGHT 22 Fl. R., 4^s	0.8 mile below Freeport.	....	....	TR on white tower	23		1929–1953
1163	—LIGHT 24 Fl. R., 4^s	0.2 mile above Freeport.	....	....	TR on white tower	26		1929–1953
1164	—LIGHT 26 Fl. R., 4^s	0.6 mile above Freeport.	....	....	TR on white tower	36		1923–1953
	—Buoy 27	In 13 feet	....	....	Black can		White reflector.	
1165	—LIGHT 28 Fl. R., 4^s	On levee, at Freeport Bend.	....	....	TR on pole	30		1962
1167	—LIGHT 29 Fl. G., 4^s	Above Freeport Bend.	....	....	SB on dolphin	30		1929–1952
1168	—LIGHT 31 Fl. G., 4^s	1.7 miles below Riverview.	....	....	SB on dolphin	30		1926–1951
1169	—LIGHT 32 Fl. R., 4^s	In 12 feet, 1.5 miles below Riverview.	....	....	TR on pump structure	25		1922–1964
1170	—LIGHT 33 Fl. G., 4^s	In 13 feet, 0.9 mile below Riverview. Marks partially submerged wingdam.	....	....	SB on pile structure	27		1929–1962

(1)	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA								TWELFTH DISTRICT	
	SAN FRANCISCO BAY									
	Sacramento River									
	—LIGHT 34 **Fl. R., 4^s**	9.2 mile below Riverview.		....	....	TR on pile structure		35		1925–1949
	—LIGHT 36 **Fl. R., 4^s**	At outer end of jetty, opposite Riverview.		....	....	TR on pile structure		30		1929–1963
	—LIGHT 38 **Fl. R., 4^s**	Opposite Clay Bank Bend.		....	....	TR on pile structure		32		1930–1947
	—Buoy 38A	In 12 feet		....	....	Red nun			Red reflector.	
	—LIGHT 39 **Fl. G., 4^s**	At Clay Bank Bend		....	....	SB on pile structure		30		1925–1949
	—LIGHT 40 **Fl. R., 4^s**	Near Riverside		....	....	TR on pole		30		1929–1943
	—LIGHT 41 **Fl. G., 4^s**	Above Oak Hall Bend.		....	....	SB on pile structure		30		1925–1958
	—LIGHT 43 **Fl. G., 4^s**	0.4 mile above Oak Hall Bend.		....	....	SB on white house		23		1936–1946
	—LIGHT 46 **Fl. R., 4^s**	0.2 mile above Chicory Bend.		....	....	TR on dolphin		32		1922–1948
	—LIGHT 45 **Fl. G., 4^s**	0.2 mile above Chicory Bend.		....	....	SB on pile structure		26		1925–1957
	—LIGHT 48 **Fl. R., 4^s**	Below Edwards Break.		....	....	White platform on pile structure .		30		1937–1949
	—LIGHT 49 **Fl. G., 4^s**	Opposite Edwards Break.		....	....	SB on dolphin		35		1925–1951
3	—LIGHT 50 **Fl. R., 4^s**	At Sutterville		....		TR on dolphin		33		1925–1947
4	—LIGHT 51 **Fl. G., 4^s**	0.3 mile above Sutterville.		....	....	SB on pile structure		35		1925–1949
5	—LIGHT 52 **Fl. R., 4^s**	At outer end of rock jetty.		....	....	TR on pile structure		30		1937–1949
7	—LIGHT 56 **Fl. R., 4^s**	0.8 mile above Sutterville.		....	....	TR on pile structure		35		1925–1949
8	—LIGHT 58 **Fl. R., 4^s**	On jetty, above Sacramento Bend.		....	....	TR on dolphin		32		1930
39	SHELL OIL WHARF LIGHT ...... **F. G.**	On end of wharf on west bank. 38 34.2	121 31.1	 100	....	Pole		40	Private aid.	1941
0	SACRAMENTO INTAKE LIGHT ... **F. R.**	On intake 38 35.6	121 30.4	....	....	White stone tower		40	Private aid.	1922
	Upper Sacramento River									
	—Buoy 14, 16, 18, 24, 27, 29, 37, 38, 40, 41, 42, 43, 44, 48, 50, 53, 55, 55A, 57, 57A, 58, 59, 60, 62, 63, 65.	In 10 to 15 feet. Buoy 14 at mile 4.3 Buoy 65 at mile 18.0 from I Street Bridge. Sacramento. 38 37.9	121 33.6	....	....	Odd numbered, black can; even numbered, red nun.			Odd numbered, white reflector; even numbered red reflector.	
	BODEGA BAY (Chart 5603)									
91	*Bodega Harbor Approach Lighted Gong Buoy BA.* **Mo. (A) W.**	In 55 feet, southerly from rock. 38 17.2	123 02.3	 100	....	Black and white vertical stripes.				
91.11	BODEGA HEAD LIGHT .... **Fl. W., 6^s (1^{s}fl)**	.... 38 18.0	123 03.2	7 300	16	NR on pole		110	Light visible from 205° to 047°.	1967

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA						TWELFTH DISTRICT	
	BODEGA BAY							
	BODEGA HARBOR							
1192.11	—ENTRANCE LIGHT 1 .... **Fl. W., 4^s**	On end of south breakwater. 38 18.3 123 02.9	6 200	9	SB on skeleton tower	20	HORN, diaphragm; 1 blast ev 10^s (1^sbl).	1968
	—Channel Daybeacon 2	In 14 feet, 20 feet outside channel limits.	....	....	TR on pile		Red reflector.	
1192.21	—CHANNEL RANGE A FRONT LIGHT. **Qk. Fl. G.**	In 7 feet 38 18.3 123 03.3	 450	....	KRW on pile structure. Same structure as Bodega Harbor Channel Light 3.	13		1943
1192.22	—CHANNEL RANGE A REAR LIGHT. **E. Int. G., 6^s**	On shore, 153 yards, 269° from front light.	 900	....	KRW on frame structure	25		1968
1195	—CHANNEL LIGHT 3 .... **Qk. Fl. G.**	In 7 feet 38 18.3 123 03.3	....	....	SB on pile structure	13	Higher intensity beam down channel.	1943
	—Channel Buoy 4	In 18 feet..........	....	....	Red nun		Red reflector.	
1196	—CHANNEL LIGHT 5 .... **Qk. Fl. G.**	In 3 feet	 100	....	SB on pile structure		Higher intensity beam up up channel.	1943
1196.11	—CHANNEL RANGE B FRONT **Qk. Fl. G.**	In 3 feet	....	....	KRW on pile structure. Same structure as Bodega Harbor Channel Light 5.			1943
1196.12	—CHANNEL RANGE B REAR LIGHT. **E. Int. G., 6^s**	On shore, 193 yards 209° from front light.	 900	....	KRW on frame structure. Same structure as Bodega Harbor Channel Range A Rear Light.	25		1968
	—Channel Daybeacon 6, 7, 8, 9, 10, 11, 13.	In 6 feet, 40 feet outside channel limit.	....	....	Odd numbered, SB on pile; even numbered, TR on pile.			
1196.51	—CHANNEL LIGHT 14 .... **Qk. Fl. R.**	In 3 feet	....	....	TR on piles. Same structure as —Channel Range C Front Light.	13		1968
1197	—CHANNEL RANGE C FRONT LIGHT. **Qk. Fl R.**	In 3 feet	....	....	KRW on piles. Same structure as —Channel Light 14.	13	Higher intensity beam on rangeline.	1943–1968
1198	—CHANNEL RANGE C REAR LIGHT. **F. R.**	225 yards 179° from front light.	 600	....	KRW on piles	23	Higher intensity beam on rangeline.	1943–1968
	—Channel Daybeacon 15, 16, 18, 19, 20, 21, 22, 23, 24, 25.	In 6 to 12 feet, 40 feet outside channel limit.	....	....	Odd numbered, SB; even numbered, TR on pile.			
1199	—CHANNEL LIGHT 26 .... **Fl. R., 4^s**	In 7 feet	....	....	Red daymark on pile structure .	12		1942
	—Channel Daybeacon 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38.	In 6 feet; 40 feet outside channel limit.	....	....	Odd numbered, SB on pile; even numbered, TR on pile.			
1200	—CHANNEL RANGE D FRONT LIGHT. **Qk. Fl. G.**	In 7 feet 38 20.0 123 03.1	 450	....	KRW on piles. Same structure as —Channel Light 39.	13	Higher intensity beam on rangeline.	1943–1968
1201	—CHANNEL RANGE D REAR LIGHT. **E. Int. G., 6^s**	275 yards 359°30′ from front light.	 900	....	KRW on white timber structure .	23		1943–1968
1201.11	—CHANNEL LIGHT 39 .... **Qk. Fl. G.**	In 7 feet	....	....	SB on piles. Same structure as —Channel Range D Front Light.	13		1968
	—Channel Daybeacon 40	In 6 feet, 40 feet outside channel limit.	....	....	TR on pile			
	—Channel Daybeacon 41	In 6 feet, 40 feet outside channel limit.	....	....	SB on pile			
1202	—CHANNEL LIGHT 42 .... **Fl. R., 4^s**	In 3 feet	....	....	TR on pile structure	12		1943
	—Channel Daybeacon 44, 46, 48, 50, 52, 54, 56,	In 6 feet	....	....	TR on pile			

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	TOMALES BAY (Chart 5603)										
	Tomales Point Lighted Horn Buoy 2 **Fl. W., 6^{s} (1^{s}fl)**	In 70 feet, ¾ mile northerly from point.	38 15.1	123 00.1	 140	....	Red			HORN, 1 blast ev 30^{s} (3^{s}bl). Ra ref.	
	—Outside Bar Bell Buoy	In 60 feet	38 14.6	122 59.2	....	....	Black and white vertical stripes.			White reflector.	
	—Inside Bar Buoy 1	In 11 feet			....	....	Black can			White reflector.	
	—Buoy 3	In 19 feet, off Sand Point.			....	....	Black can			White reflector.	
	Lawsons Landing Daybeacon 1, 3, 5, 7.	In 1 to 3 feet. Position daybeacon 1.	38 13.1	122 57.7	....	....	SB on pile			Private aids.	1967
	—Buoy 5	In 26 feet, off Tom Point.			....	....	Black can			White reflector.	
	Hog Island Buoy	In 25 feet, northwest of island.			....	....	Black and red horizontal bands can.			White reflector.	
	—Buoy 7	In 16 feet			....	....	Black can			White reflector.	
	—Buoy 10	In 24 feet			....	....	Red nun			Red reflector.	
	ALBION RIVER (Chart 5711)										
.12	—LIGHT 1 **Qk. Fl. W.**	On Mooring Rock	39 13.7	123 46.4	....	....	SB on tower		35	Higher intensity beam toward entrance buoy. HORN, 1 blast ev 30^{s} (3^{s}bl), continuously from Apr. 15 to Oct. 15.	1971
	NOYO RIVER (Chart 5703)										
	—Entrance Bell Buoy 2	In 65 feet			....	....	Red nun			Red reflector.	
	—Entrance Buoy 3	In 40 feet			....	....	Black can			White reflector.	
4	—ENTRANCE LIGHT 5 **Occ. W., 4^{s} (3^{s}lt)**	On end of jetty, north side of entrance to river.	39 25.7	123 48.5	11 1,800	11	SB on pole	22	28	Higher intensity beam to seaward. HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl). Located 235 feet inshore from light.	1932–1960
	—Entrance Daybeacon 4	On west end of south jetty.			....	....	TR on pile				
	—Buoy 6	In 8 feet			....	....	Red nun			Red reflector.	
	—Buoy 8	In 7 feet			....	....	Red nun			Red reflector.	
05	—LIGHT 9 **Fl. G., 2.5^{s}**	On southwest corner of Sportsman dock.			....	....	SB on pole		15	Higher intensity beam toward entrance.	1939–1952
	HUMBOLDT BAY (Chart 5832)										
205.70 5	—*Entrance Lighted Whistle Buoy HB.* **Mo. (A) W.**	In 100 feet, 0.8 mile outside of bar.	40 46.4	124 16.2	 100	....	Black and white vertical stripes.				
	—Entrance Bell Buoy 2	In 46 feet	40 46.0	124 14.8	....	....	Red			Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CALIFORNIA							TWELFTH DISTRICT	
	HUMBOLDT BAY								
1206	—APPROACH RANGE FRONT LIGHT. **Occ. W., 4^s (3^slt)**	On north side of entrance to bay. 40 45.9	124 13.9	 5,000	....	KWR on white house on white tower.	35	MARKER RADIOBEACON: Antenna on top of fog signal tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 20^s (2^sbl-2^ssi-2^sbl-14^s	1908–1964
1207	—APPROACH RANGE REAR LIGHT. **Occ. W., 4^s (3^slt)**	240 yards 105° from front light.		....	....	KRW on white column. On same structure as Humboldt Bay Light.	55	Range lights are synchronized. 8,000 cp visible 5° on each side of rangeline.	1949–1971
1207.10	—ENTRANCE LIGHT 3 .... **Fl. G., 2.5^s**	On north breakwater . 40 46.1	124 14.2	 140	....	SB on white cylindrical tower.	60		1969
1208	—ENTRANCE LIGHT 4 .... **Fl. W., 2.5^s**	On channel side of south jetty, 135 yards inshore from outer end. 40 44.8	124 13.2	7	13	TR on white column	57	HORN, diaphragm; 1 blast 10^s (1^sbl).	1926–1964
1208.50 65.11	**—LIGHT** .... **Fl. W., 5^s**	On shore 40 45.9	124 13.7	23 400,000	15	White column	100		1971
1209	—ENTRANCE RANGE FRONT LIGHT. **Occ. G., 4^s (3^slt)**	In 8 feet 40 44.8	124 13.2	....	....	TR on white frame tower	20	3,500 cp visible 5° each side of rangeline.	1950–1960
1210	—ENTRANCE RANGE REAR LIGHT. **Occ. G., 4^s (3^slt)**	On Buhne Point 600 yards 140° from front light.		 7,000	....	TR on white frame tower	38	Range lights are synchronized.	1950–1960
1211	—*Lighted Buoy 5* .... **Fl. W., 4^s**	In 28 feet, marks south side of shoal off inside end of North Jetty.		....	....	Black		Ra ref.	
1211.10	—LIGHT 6 .... **Qk. Fl. W.**	On inner end of breakwater. 40 45.4	124 14.0	....	....	TR on pole	30	Obscured from 300° to 220°. Visible to outbound vessels only.	1969
1212	—*Lighted Bell Buoy 7*........... **Fl. G., 4^s**	In 31 feet...........		....	....	Black			
1213	—*Lighted Bell Buoy 8*........... **Qk. Fl. R.**	In 35 feet, on north side of shoal inside entrance to bay.		....	....	Red..........................			
1214	—LIGHT 9 .... **Fl. W., 4^s**	On inner end of jetty . 40 45.6	126 13.2	 100	....	SB on tower on jetty	25		1897–1961
1215	—*Lighted Buoy 10* .... **Fl. R., 4^s**	In 29 feet, marks westerly point of shoal.		....	....	Red			
1216	—*Lighted Buoy 12*.............. **Fl. R., 4^s**	In 30 feet		....	....	Red			
1217	—LIGHT 11 .... **Fl. G., 2.5^s**	On south end of pier . 40 46.0	124 12.9	 250	....	SB on tripod	20	BELL: 2 strokes ev 15^s.	1941
1218	—LIGHT 14 .... **Fl. R., 4^s**	On end of pier 40 46.4	124 12.1	 250	....	TR on mast	25		1961
1219	—LIGHT 16 .... **Fl. R., 2.5^s**	On south end of wharf. 40 46.7	124 11.7	 250	....	TR on red skeleton tower	32		1938
1220	—LIGHT 17 .... **Fl. G., 4^s**	On south end of pier . 40 47.3	124 11.6	....	....	SB	29		1961–1966
1221	—LIGHT 18 .... **Fl. R., 2.5^s**	Off southerly end of wharf. 40 47.8	124 11.2	 350	....	TR on mast	26		1932–1962

CALIFORNIA

TWELFTH DISTRICT

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HUMBOLDT BAY									
	Samoa Channel Entrance Lighted Buoy 1. **Fl. G., 4^s**	In 25 feet		....	....	Black				
10	*Samoa Channel Lighted Buoy 3* **Fl. W., 4^s**	In 37 feet		....	....	Black				
	Eureka Entrance Channel Lighted Buoy. **I. Qk. Fl. W.**	In 21 feet, marks point of shoal.		....	....	Red and black horizontal bands				
	Samoa Channel Buoy 4	In 19 feet		....	....	Red nun			Red reflector.	
	—LIGHT 19 **Fl. G., 4^s**	In 7 feet 40 48.4	124 10.8	....	....	SB on white tower		18	BELL: 1 stroke ev 20^s. Higher intensity beams down Eureka Channel, Outer Reach, up Eureka Channel, Inner Reach and toward Samoa.	1906–1948
.10	EUREKA MOORING BASIN LIGHT. **F. R.**	End of mooring float. 40 48.2	124 10.7	....	....	Pole on float		20	Private aid.	1970
. 11	EUREKA MARINE SUPPLY LIGHT. **Occ. R., $3^s(2^s lt)$**	In 11 feet		....	....	White pile		20	Private aid.	1965
	HOOKTON CHANNEL									
4. 12	—*Lighted Buoy 1* **Fl. W., 4^s**	In 24 feet 40 44.9	124 13.3	....	....	Black				
	—*Lighted Buoy 2* **Fl. R., 4^s**	In 22 feet		....	....	Red				
5. 11	—*Lighted Buoy 3* **Fl. W., 4^s**	In 25 feet		....	....	Black				
6	—RANGE FRONT LIGHT 4 **Qk. Fl. W.**	In 18 feet 40 44.6	124 13.6	....	....	SW with orange vertical stripe on pile structure.		20	400 cp on rangeline with lower intensity elsewhere.	1961
7	—RANGE REAR LIGHT **E. Int. W., 6^s**	In 6 feet, 100 yards 326°30′ from front light.		....	....	NR on pile structure		25	700 cp visible 4° on each side of rangeline.	1961
28	—LIGHT 5 **Fl. G., 4^s**	In 2 feet, on Buhne Spit Shoal.		....	....	SB on dolphin		20		1934–1951
	—Buoy 6	In 15 feet		....	....	Red nun			Red reflector.	
	—Buoy 8	In 18 feet		....	....	Red nun			Red reflector.	
29	PACIFIC GAS AND ELECTRIC COMPANY DIKE LIGHT. **Fl. W., 4^s**	On end of barrier wall. 40 44.2	124 13.1	....	....	Dolphin		18	Private aid.	1959
	—Daybeacon 9	In 8 feet		....	....	Black; pile with crossboards			White reflector.	
30. 11	—*Lighted Buoy 10* **Fl. R., 4^s**	In 20 feet 40 44.1	124 13.2	....	....	Red				
231	—*Lighted Buoy 12* **Fl. R., 4^s**	In 20 feet		....	....	Red				
32	—LIGHT 13 **Fl. G., 4^s**	On northwesterly corner of dock at Fields Landing.		....	...	White skeleton tower		25		1951
233	—LIGHT 14 **Fl. R., 4^s**	In 15 feet, at southwest corner of turning basin.		....	....	TR on pile structure		15		1951
	CRESCENT CITY HARBOR (Chart 5895)									
234 9	—*Lighted Whistle Buoy 2* **Fl. W., $6^s(1^s fl)$**	In 90 feet 41 43.0	124 11.7	140	....	Red			Ra ref.	
235	—*Lighted Whistle Buoy 4* **Fl. R., 4^s**	In 53 feet		....	....	Red				

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	CRESCENT CITY HARBOR							
	—Gong Buoy 5	In 36 feet			Black		White reflector.	
1236 70.11	CRESCENT CITY OUTER BREAKWATER LIGHT. **Fl. W., 5^s**	At end of outer breakwater. 41 44.2 124 11.4	17 30,000	13	White column	55	HORN, diaphragm; 1 blast ev 10^s (1^sbl).	1958–1965
1237	—*Lighted Bell Buoy* 6 **Qk. Fl. R.**	In 22 feet			Red			
	—Buoy 7	In 31 feet southeast of Fauntleroy Rock.			Black can		White reflector.	
1238	CRESCENT CITY INNER BREAKWATER LIGHT. **Fl. R., 4^s**	At end of breakwater extending from Whaler Island. 41 44.6 124 11.1			Mast above small white house	20		1948
1239	—RANGE FRONT LIGHT **Occ. G.**, 4^s(3^slt)	On shore 41 45.0 124 11.2			KRW on pole	25	7,000 cp visible 5° each side of rangeline.	1961–1967
1240	—RANGE REAR LIGHT **Occ. G.**, 4^s (3^slt)	90 yards 4° from front light.			KRW on white skeleton tower	38	12,000 cp visible 1° each side of rangeline.	1961
	LAKE TAHOE (Chart 5001)							
1240.51	COAST GUARD PIER LIGHT **Fl. W.**, 6^s(1^sfl)	At end of Coast Guard station pier. 39 10.8 120 07.1			Pole	8	Maintained from May 1 to Dec. 1.	1966–1969
1241	SUGAR PINE POINT LIGHT **Fl. W., 4^s**	39 03.7 120 06.8	6 140	10	White tower	22	Maintained from May 1 to Dec. 1.	1921–1936
	—Buoy 2, 4, 6, 8, 10, 12, 14, 22, 22A, 24, 26.	In 11 to 36 feet			Red nun		Red reflector. Buoy 14 shows Qk. Fl. W. from May 1 to Oct. 1.	
	Emerald Bay Entrance Buoy 1	In 9 feet			Black can		White reflector.	
	Emerald Bay Entrance Buoy 2	In 9 feet			Red nun		Red reflector.	
	—Buoy 30, 34, 36, 38, 38A, 40, 42, 44, 46, 48.	In 19 to 50 feet, buoy 38 on southwest side of submerged rocks 1 mile south of Glenbrook Bay.			Red nun		Red reflector.	
	—Restricted Area Daybeacon A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P.	Marks restricted areas.			NB on pile		Orange reflector.	

(1)	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CHETCO RIVER (Charts 5702, 5202, 5896)											
	— *Approach Lighted Whistle Buoy CR.* **Mo. (A) W.**	In 94 feet	42 01.7	124 17.0		100		Black and white vertical stripes.			Ra ref.	
	— Entrance Bell Buoy 2	In 66 feet	42 02.1	124 16.6				Red			Red reflector. (Also listed after No. 73).	
	— ENTRANCE RANGE FRONT LIGHT. **F. R.**	On shore	42 02.9	124 16.0				KRW on skeleton tower		35	3.500 cp visible 4° each side of rangeline.	1960
	— ENTRANCE RANGE REAR LIGHT. **F. R.**	On shore, 210 yards 030° from front light.						KRW on skeleton tower		50	3,500 cp visible 4° each side of rangeline.	1960–1969
	— ENTRANCE LIGHT 3 **Fl. G., 4^{s}**	On Bar Rock	42 02.6	124 16.3	6	200	9	SB on white cylindrical concrete column.		23	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl).	1960
	— Entrance Buoy 5	Position shifted with changing conditions.						Black can			Maintained from June 1 to Sept. 15. White reflector.	
1	— ENTRANCE LIGHT 6 **F. R.**	In 8 feet, at corner of boat house.				100		TR on dolphin		16		1965
3	— ENTRANCE LIGHT 7 **Qk. Fl. G.**	On end of dike	42 03.0	124 16.1				SW on pile		16		1970
	ROGUE RIVER											
	— *Approach Lighted Whistle Buoy R.* **Mo. (A) W.**	In 120 feet	42 23.6	124 28.5		120		Black and white vertical stripes.			Ra ref.	
	— *Entrance Lighted Bell Buoy 1.* **Fl. W., 4^{s}**	In 42 feet	42 24.8	124 26.6		100		Black			Ra ref.	
11	— NORTH JETTY LIGHT 3 **Fl. W., 4^{s}**	On outer end of jetty.	42 25.3	124 25.9		100		SW on pedestal		23	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl). Green reflector. Maintained from June 1 to Sept. 15.	1968
	COQUILLE RIVER (Chart 5971)											
	— *Entrance Lighted Whistle Buoy 2.* **Fl. W., 4^{s}**	In 103 feet, 550 yards northerly from Coquille Rock.	43 08.2	124 27.9		100		Red				
11	— *Entrance Lighted Bell Buoy 4* **Fl. W., 4^{s}**	In 80 feet				120		Red			Ra ref.	
13	— *South Jetty Lighted Whistle Buoy 6.* **Fl. W., 2.5^{s}**	In 45 feet				150		Red			Ra ref.	
	— ENTRANCE RANGE FRONT LIGHT. **Occ. R., 4^{s} (3^{s}lt)**	On south side of river, at Bandon.	43 07.3	124 25.1				KWR on skeleton tower		34	5,000 cp visible 4° each side of rangeline.	1909–1953
	— ENTRANCE RANGE REAR LIGHT. **Occ. R., 4^{s} (3^{s}lt)**	165 yards 108° from front light.						KWR with red inverted triangle on skeleton tower.		47	5,000 cp visible 4° each side of rangeline. Range lights are synchronized.	1909–1941
	— SOUTH JETTY LIGHT **Fl. W., 4^{s}**	On outer end of jetty.	43 07.4	124 25.7	8	450	11	TR on white masonry building		30	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl).	1924–1962
	— Rock Buoy 10	In 12 feet, marks rock.						Red nun				
	— Rock Buoy 11	In 15 feet, marks rock.						Black can			White reflector. May be withdrawn during freshet season.	
	— LIGHT 12 **Qk. Fl. R.**	On outer end of wharf at Bandon.						TR on white conical house		15		1940–1963

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COQUILLE RIVER										
1253	—LIGHT 14 **Fl. W., 4^s**	On flats, northerly of Bandon Rock.			....	....	TR on white platform on pyramidal concrete pier.		15		1938
	—Buoy 15	In 13 feet			....	....	Black can			White reflector.	
	COOS BAY (Chart 5984)										
1254 82	— *Approach Lighted Whistle Buoy K.* **Mo. (A) W.**	In 110 feet	43 22.4	124 23.0	100	....	Black and white vertical stripes.			Ra ref.	
1255	—*Entrance Lighted Bell Buoy 1* **Fl. W., 4^s**	In 51 feet, outside of bar.	43 21.9	124 21.7	120	....	Black			Ra ref.	
1256	—ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. R.**	In 8 feet, on south side of entrance to bay.	43 21.0	124 19.5	....	....	KRB on pile structure. On same structure as Coos Bay Inside Range Front Light.		22	1,300 cp visible 4° each side of rangeline.	1897–1971
1257	—ENTRANCE RANGE REAR LIGHT. **F. R.**	890 yards 116° from front light.			....	....	KRB on pile structure		38	3,500 cp visible 4° each side of rangeline.	1897–197
1257.11	— *North Jetty Lighted Gong Buoy 3.* **Fl. W., 4^s**	In 38 feet			100	....	Black			Ra ref. Replaced by gor buoy with Ra ref and white reflector from Se 15 to June 1.	
1258	— *Entrance Lighted Buoy 2* **Fl. R., 4^s**	In 40 feet	43 21.4	124 20.9	....	....	Red			Ra ref.	
1258.11	—NORTH JETTY LIGHT 3A **Qk. Fl. W.**	On north jetty	43 21.5	124 20.6	....	....	SW on pedestal		23	HORN, diaphragm; 1 bla ev 30^s (3^sbl). Green reflector. Fog signal maintained from June to Sept. 15.	196
1259	*Guano Rock Lighted Whistle Buoy 4.* **Fl. R., 4^s**	In 19 feet, northwesterly of rock.			....	....	Red				
1260	—*Channel Lighted Bell Buoy 5* **Fl. W., 4^s**	In 32 feet, marks turn in channel.			100	....	Black			Ra ref.	
1261	—INSIDE RANGE FRONT LIGHT **Qk. Fl. R.**	In 8 feet, on south side of entrance to bay.	43 21.0	124 19.5	....	....	KRB on pile structure. On same structure as Coos Bay Entrance Range Front Light.		29	300 cp on rangeline with lower intensity elsewhere.	1897–193
1262	—INSIDE RANGE REAR LIGHT **E. Int. R., 6^s**	In 4 feet, 200 yards 203° from front light.			....	....	KRB on pile structure		43	180 cp visible 15° each side of rangeline.	1897–195
1263	*Coos Bay Junction Lighted Buoy* **I. Qk. Fl. W.**	In 50 feet, marks entrance to mooring basin.	43 21.3	124 19.2	....	....	Red and black horizontal bands			Ra ref. White reflector.	
	(For South Slough, see No. 1309)										
1264	— *Channel Lighted Bell Buoy 7* **Fl. G., 4^s**	In 30 feet, marks east end of jetty.			....	....	Black			BELL: 1 stroke ev 10^s Ra ref.	
1265	—RANGE A FRONT LIGHT **Qk. Fl. W.**	In 20 feet, northerly of east end of jetty.	43 21.7	124 19.2	....	....	KRB on pile structure		19	1,600 cp visible 4° eac side of rangeline.	195
1266	—RANGE A REAR LIGHT **E. Int. W., 6^s**	In 3 feet, 335 yards 224° from front light.			....	....	KRB on tower on pile structure.		37	3,000 cp visible 4° eac side of rangeline.	1951–197
1267	—*Channel Lighted Buoy 8* **Fl. W., 4^s**	In 22 feet			100	....	Red				
1268	— *Channel Lighted Buoy 10* **Fl. R., 4^s**	In 23 feet			....	....	Red			Ra ref.	
1268.11	—*Lighted Buoy 11* **Fl. G., 4^s**	In 25 feet	43 22.6	124 18.1	....	....	Black			Ra ref.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON							THIRTEENTH DISTRICT	
	COOS BAY								
	SITKA DOCK LIGHT **F. R.**	On southwest corner of dock. 43 22.6	124 17.8	100	....	Pole	15	Private aid.	1930
	—*Channel Lighted Buoy 12* **Qk. Fl. R.**	In 30 feet, marks toe of channel.		....	....	Red			
	—RANGE B FRONT LIGHT **Qk. Fl. W.**	In 15 feet 42 23.3	124 17.0	....	....	KRB on pile structure	21	3,000 cp on rangeline with lower intensity elsewhere.	1971
2	—RANGE B REAR LIGHT **E. Int. W., 6^s**	In 5 feet, 467 yards 043°20′ from front light.		....	....	KRB on skeleton tower on pile structure.	39	7,000 cp visible 2° each side of rangeline.	1971
2	EMPIRE RANGE A FRONT LIGHT. **Qk. Fl. W.**	In 7 feet 43 22.5	124 17.6	....	....	KRB on pile structure	19	1,500 cp visible 4° each side of rangeline.	1971
3	EMPIRE RANGE A REAR LIGHT. **E. Int. W., 6^s**	In 4 feet, 283 yards 204°48′ from front light.		....	....	KRB on skeleton tower on pile structure.	35	3,000 cp visible 4° each side of rangeline.	1971
	EMPIRE RANGE B FRONT LIGHT. **Qk. Fl. R.**	In 11 feet 43 24.8	124 16.3	....	....	KRB on dolphin	19	300 cp on rangeline with lower intensity elsewhere.	1951
	EMPIRE RANGE B REAR LIGHT **E. Int. R., 6^s**	In 25 feet, 500 yards 042°30′ from front light.		....	....	KRB on tower on pile structure.	39	500 cp on rangeline with lower intensity elsewhere.	1951
	—*Channel Lighted Buoy 14* **Fl. R., 4^s**	In 20 feet		....	....	Red			
	—*Channel Lighted Buoy 15* **Fl. W., 4^s**	In 27 feet		....	....	Black		Ra ref.	
	—*Channel Lighted Buoy 16* **Fl. R., 4^s**	In 24 feet, westerly of Utter Rock.		....	....	Red			
	—LIGHT 17 **Fl. G., 4^s**	In 23 feet		....	....	SB on white platform on dolphin.	18		1909–1964
	JARVIS LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 3 feet 43 25.2	125 16.5	....	....	SW with red platform on dolphin	18	600 cp on rangeline with lower intensity elsewhere.	1913–1951
	JARVIS LOWER RANGE REAR LIGHT. **E. Int. W., 6^s**	285 yards 009° from front light.		160	....	White diamond daymark with red vertical stripe on tower. On same structure as Jarvis Upper Range A Rear Light.	32	1,600 cp on rangeline with lower intensity elsewhere.	1911–1951
	—*Channel Lighted Buoy 18* **Qk. Fl. R.**	In 13 feet		....	....	Red			
	JARVIS DIKE 6.8 LIGHT 19 **Fl. G., 4^s**	In 24 feet, marks end of Dike 6.8. 43 25.0	124 16.5	....	....	SB on white platform on dolphin.	15		1958
	JARVIS UPPER RANGE A FRONT LIGHT. **Qk. Fl. W.**	In 14 feet, on northwest side of channel. 43 25.3	124 16.2	....	....	KWR on dolphin	15	900 cp on rangeline with lower intensity elsewhere.	1911–1964
	JARVIS UPPER RANGE A REAR LIGHT. **E. Int. W., 6^s**	300 yards 259° from front light.		160	....	White diamond daymark with red vertical stripe on tower. On same structure as Jarvis Lower Range Rear Light.	32	1,600 cp on rangeline with lower intensity elsewhere.	1926–1964
	—*Channel Lighted Buoy 23* **Fl. G., 2.5^s**	In 27 feet		....	....	Black			
	JARVIS UPPER RANGE B FRONT LIGHT. **Qk. Fl. W.**	In 17 feet 43 25.7	124 13.3	....	....	KWR on pile structure	15	1,700 cp visible 2° each side of rangeline.	1958–1959
5	JARVIS UPPER RANGE B REAR LIGHT. **E. Int. W., 6^s**	In 1 foot, 405 yards 079° from front light.		....	....	White diamond daymark with red vertical stripe on tower on dolphin.	32	2,000 cp visible 2° each side of rangeline.	1958
.11	DOUGLAS FIR DOCK LIGHTS **4 F. R.**	In 32 feet		....	....	Dolphins and ends of dock	19	Private aids.	1968

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COOS BAY										
	—Channel Buoy 24	In 21 feet, 200 feet outside channel limit.			....	....	Red nun			Red reflector.	
1286	—CHANNEL LIGHT 25 Fl. W., 4s	In 15 feet, 150 feet outside channel limit.			....	....	SB on white platform on dolphin.		15		19
	—Channel Buoy 27	In 24 feet, opposite Pony Point.			....	....	Black can			White reflector.	
1287	—Bridge Fog Signal	On center of draw span.	43 25.6	124 14.1	....	....	....			SIREN, 1 blast ev 60s(bl) when draw is clo BELL: 1 stroke ev 10 when draw is open. Private aid.	19
	(For North Slough, see No. 1311)										
1288	—CHANNEL LIGHT 28 Fl. R., 4s	In 10 feet, 75 feet outside channel limit.	43 25.6	124 13.7	....	....	TR on dolphin		17		1937–197
	—Channel Buoy 29	In 22 feet, marks turn in channel.			....	....	Black can			White reflector.	
1289	NORTH BEND LOWER RANGE FRONT LIGHT. Qk. Fl. G.	In 10 feet	44 25.5	124 12.9	....	....	White square daymark with red vertical stripe on dolphin.		20	450 cp on rangeline wi lower intensity else- where.	19
1290	NORTH BEND LOWER RANGE REAR LIGHT. E. Int. G., 6s	In 13 feet, 150 yards 112° from front light.			 120	....	White diamond daymark with red vertical stripe on pile structure. On same structure as North Bend Range Rear Light.		28	1,200 cp on rangeline lower intensity else where.	19
1291	NORTH BEND RANGE FRONT LIGHT. Qk. Fl. G.	In 22 feet, easterly of North Point.	43 25.4	124 12.9	....	....	KWR on white cylindrical house on dolphin.		15	450 cp on rangeline wi lower intensity else- where.	1899–19
1292	NORTH BEND RANGE REAR LIGHT. E. Int. G., 6s	In 13 feet, 185 yards 009° from front light.			 120	....	KWR on pile structure. On same structure as North Bend Lower Range Rear Light.		28	1,200 cp on range line with lower intensity elsewhere.	1913–19
1293	NORTH BEND LIGHT 36 Fl. R., 4s	In 35 feet	43 24.5	124 13.1	 130	....	TR on skeleton tower on pile structure.		23		1933–19
1294	NORTH BEND UPPER RANGE FRONT LIGHT. Qk. Fl. G.	Westerly of Crawford Point.	43 23.6	124 12.8	....	....	White square daymark with red vertical stripe on dolphin.		18	500 cp on rangeline wi lower intensity els where.	1937–1
1295	NORTH BEND UPPER RANGE REAR LIGHT. E. Int. G., 6s	235 yards 163° from front light.			....	....	White diamond daymark with red vertical stripe on tower on pile structure.		27	900 cp on rangeline wi lower intensity else where.	1937–1
1296	FERNDALE LOWER RANGE FRONT LIGHT. Qk. Fl. W.	Westerly of Pierce Point.	43 24.1	124 12.8	....	....	White square daymark with red vertical stripe on dolphin.		12	450 cp visible 15° eac side of rangeline.	1901–19
1297	FERNDALE LOWER RANGE REAR LIGHT. E. Int. W., 6s	In 2 feet, 310 yards 013° from front light.			....	....	White diamond daymark with red vertical stripe on dolphin.		23	800 cp visible 15° eac side of rangeline.	1899–1
1298	FERNDALE UPPER RANGE FRONT LIGHT. Qk. Fl. G.	In 3 feet, northwesterly of White Point.	43 22.4	124 12.3	....	....	White square daymark with red vertical stripe on dolphin.		11	450 cp on rangeline wi lower intensity else where.	1901–19
1299	FERNDALE UPPER RANGE REAR LIGHT. E. Int. G., 6s	200 yards 138° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.			600 cp visible 4° each side of rangeline.	1924–19
1300	MARSHFIELD RANGE FRONT LIGHT. Qk. Fl. G.	In 5 feet, on middle ground, Northwesterly of White Point.	43 22.6	124 12.4	....	....	White square daymark with red vertical stripe on dolphin.		8		1901–1
1301	MARSHFIELD RANGE REAR LIGHT. E. Int. W., 6s	139 yards 020° from front light.			 160	....	White diamond daymark with red vertical stripe on dolphin.		11		1901–1

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COOS BAY										
ISTHMUS SLOUGH LIGHT 43 **Fl. G., 4ˢ**	In 20 feet, northwesterly of Bunker Hill.	43 21.9	124 12.5			SB on white platform on dolphin.		15		1918–1962
COOS RIVER										
MARSHFIELD CHANNEL RANGE FRONT LIGHT. **Qk. Fl. R.**	In 3 feet, leading to Coos River.	43 22.5	124 10.8			KWR on dolphin		12		1917–1948
MARSHFIELD CHANNEL RANGE REAR LIGHT. **E. Int. W., 6ˢ**	In 11 feet, 480 yards 090° from front light.					KWR on dolphin		21		1917–1951
—ENTRANCE LIGHT 1 **Fl. G., 4ˢ**	On shore, west side of river.	43 22.6	124 10.9			SW on skeleton tower		23		1944–1971
—Channel Buoy 2	In 8 feet					Red nun			Ra ref. Red reflector.	
—Channel Buoy 4	In 8 feet					Red nun			Ra ref. Red reflector.	
—Channel Buoy 6	In 6 feet					Red nun			Ra ref. Red reflector.	
—CHANNEL LIGHT 8 **Fl. W., 4ˢ**	In 3 feet, northwesterly of Graveyard Point.	43 22.1	124 10.6			TR on white platform on dolphin.		14		1945–1951
—LIGHT 10 **Fl. W., 4ˢ**	In 6 feet, westerly of Graveyard Point.	43 21.8	124 10.4			TR on white platform on dolphin.		12		1944–1951
—LIGHT 12 **Fl. R., 4ˢ**	In 2 feet, southerly of Graveyard Point.	43 21.6	124 09.6			TR on white platform on dolphin.		20		1944–1953
SOUTH SLOUGH										
—CHANNEL LIGHT 2 **Fl. W., 4ˢ**	In 5 feet, 20 feet outside channel limit, northwesterly of Barview.	43 21.2	124 19.1			TR on white platform on dolphin.		15		1946–1942
—Channel Buoy 1	In 43 feet					Black can			Ra ref. White reflector.	
—Channel Buoy 1A	In 7 feet					Black can			Ra ref. White reflector.	
—Channel Daybeacon 3	In 7 feet					SW on pile				
—CHANNEL LIGHT 4 **Fl. W., 4ˢ**	In 3 feet, westerly of Barview.	43 20.9	124 19.2			TR on white platform on dolphin.		16	Light obscured from 251° to 341°.	1957
—Channel Buoy 5	In 6 feet					Black can			Ra ref. White reflector.	
—Channel Buoy 7	In 18 feet					Black can			Ra ref. White reflector.	
—Channel Buoy 8	In 14 feet					Red nun			Ra ref. Red reflector.	
—Channel Buoy 9	In 16 feet					Black can			Ra ref. White reflector.	
NORTH SLOUGH										
—CHANNEL LIGHT 1 **Fl. W., 4ˢ**	Northeasterly of Jordan Point.	43 26.0	124 14.1			SB on white platform on dolphin.		15		1945
—Channel Daybeacon 4	In 3 feet					TR on pile				
—Channel Daybeacon 8						TR on pile				
—Channel Daybeacon 10						TR on pile				
—Channel Daybeacon 12						TR on pile				
—Channel Daybeacon 13	In 3 feet					SB on pile				
—Channel Daybeacon 15	In 6 feet					SB on pile				
HAYNES INLET										
—Channel Daybeacon 1	In 5 feet, northwesterly of Russell Point.	43 26.2	124 13.6			SB on pile				

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Yea
	COOS BAY								
	HAYNES INLET								
	—Channel Daybeacon 2	Northerly of Russell Point.	....	....	TR on pile				
	—Channel Daybeacon 4	In 4 feet	....	....	TR on pile				
	—Channel Daybeacon 5	In 3 feet	....	....	SB on pile				
	—Channel Daybeacon 7	In 4 feet	....	....	SB on pile				
	—Channel Daybeacon 8	In 7 feet	....	....	TR on pile				
	UMPQUA RIVER								
	(Chart 6004)								
1312 85	— *Approach Lighted Whistle Buoy U.* **Mo. (A) W.**	In 95 feet 43 40.3 124 14.0	 100	....	Black and white vertical stripes.				
	—Entrance Bell Buoy 1...........	In 52 feet..........	....	....	Black			Ra ref. White reflecto	
1312.11	— *Entrance Lighted Gong Buoy 2.* **Fl. R., 4^s**	In 25 feet, marks end of Jetty.	....	....	Red			Ra ref. Maintained from May 1 to Sept.	
1313	—BAR RANGE FRONT LIGHT ... **Occ. R., 4^s (3^{s}lt)**	On shore, southerly of Coast Guard Lookout Tower. 43 39.9 124 11.9	....	....	KRW on skeleton tower		60	1,600 cp visible 4° e side of rangeline.	1930–1
1314	—BAR RANGE REAR LIGHT .... **Occ. R., 4^s (3^{s}lt)**	140 yards 103°28′ from front light.	....	....	KRW on skeleton tower		124	1,600 cp visible 4° ea side of rangeline. Range lights are sy chronized.	1930–1
1314.11	—JETTY LIGHT 2A .... **Qk. Fl. W.**	On outer end of middle jetty. 43 40.0 124 12.5	....	....	TR on pedestal		15	HORN, diaphragm; 1 b ev 30^s (3^{s}bl). Lig and fog signal main tained from May 1 t Oct. 31.	1
1315	—TURN LIGHT 4 .... **Fl. W., 4^s**	On training jetty 43 40.1 124 12.0	 100	....	TR on white box		23	BELL: 1 stroke ev 2C Higher intensity beam and down channel.	1963–19
1316 84 *G4472*	**UMPQUA RIVER LIGHT** .... **Gp. Fl. W., Alt. R. Fl., 15^s** 0.1^{s}Wfl., 4.9^{s}ec. 0.1^{s}Wfl., 4.9^{s}ec. 0.1^{s}Rfl., 4.9^{s}ec. **2 W., 1 R., flashes.** Resident Personnel.	On south side of mouth of river. 43 39.8 124 11.9	21W 190,000 20R 120,000	19	White conical tower	65	165	Light is displayed 1 h before sunset to 1 h after sunrise.	1857–1
1317	*Ork Reef Lighted Buoy 6*........... **Fl. R., 4^s**	In 25 feet, marks reef.	....	....	Red				
1317.11	SALMON HARBOR ENTRANCE LIGHT 1. **Fl. G., 4^s**	In 7 feet 43 41.2 124 10.8	....	....	SW on pile structure		15		1
1318	SALMON HARBOR ENTRANCE LIGHT 2. **Fl. W., 4^s**	In 10 feet, marks entrance to harbor. 43 41.1 124 10.8	 100	....	TR on pile structure		15	HORN, diaphragm; 1 ev 10^s(1^{s}bl). Not sounded from Nov. 1 Apr. 30.	1963–1
1319	SALMON HARBOR DIRECTIONAL LIGHT. **E. Int. W., R & G. sectors, 6^s**	On end of cannery building. 43 40.8 124 10.6	12W 3,000 R & G 500		Black and white checkered diamond daymark.		35	White when on centerl of channel (bearing 159°); red when rig and green when lef white beam when e ing from seaward. White reflector.	1
	—Channel Buoy 7	In 16 feet	....	....	Black can			White reflector.	
1320	DOUBLE COVE POINT LIGHT ... **Fl. W., 4^s**	On point, 2 miles northeasterly of Winchester Bay.	....	....	TR on white house		22		1919–1

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON							THIRTEENTH DISTRICT	
	UMPQUA RIVER								
	— Channel Buoy 9	In 22 feet	....	....	Black can			White reflector.	
	BARRETTS RANGE FRONT LIGHT. **Qk. Fl. W.**	West side of channel 43 43.9 124 09.9	....	....	White square daymark with red vertical stripe on pile structure.		18	300 cp on range line with lower intensity elsewhere.	1941–1962
	BARRETTS RANGE REAR LIGHT. **Occ. W., 6^s(4^{s}lt)**	270 yards 330° 30′ from front light.	....	....	White diamond daymark with red vertical stripe on platform on tower.		28	350 cp on range line with lower intensity elsewhere.	1941–1956
	BARRETS LOWER DIKE LIGHT **Fl. G., 4^s**	In 20 feet, on end of dike. 43 43.4 124 09.7	....	....	SB on white cylindrical house on dolphin.		17		1941–1971
	— Channel Buoy 10	In 23 feet	....	....	Red nun			Red reflector.	
	— Channel Buoy 12	In 16 feet	....	....	Red nun			Red reflector.	
	BARRETTS UPPER DIKE LIGHT. **Fl. G., 4^s**	In 20 feet, at end of Dike 5.8.	....	....	SB on white cylindrical house on dolphin.		14		1934–1941
	— Channel Buoy 13	In 17 feet	....	....	Black can			White reflector.	
	— Channel Buoy 14	In 15 feet	....	....	Red nun			Ra ref. Red reflector	
	FOURMILE LIGHT **Fl. G., 4^s**	On shore	....	....	White square daymark on white cylindrical house.		15	Green reflector.	1941–1967
	THREEMILE DIRECTIONAL LIGHT. **E. Int. W., R., G. sectors, 6^s** **E. Int. W., 6^s**	In 14 feet	13W 7,000 10R 1,500 10G 1,400	....	SB on white cylindrical house on dolphin.		16	White when on centerline of channel (bearing 352°); red when right and green when left of white beam when entering from seaward. Passing light visible around horizon.	1941–1957
	CANNERY SANDS DIKE LIGHT **Fl. G., 4^s**	In 10 feet, at end of Dike 8.4, northwesterly of Cannery Island. 43 44.5 124 07.7	....	....	SB on white cylindrical house on dolphin.		17		1919–1941
	GARDINER CHANNEL								
	— Channel Buoy 16	In 12 feet	....	....	Red nun			Red reflector.	
	— Channel Buoy 18	In 12 feet	....	....	Red nun			Red reflector.	
	— Channel Buoy 20	In 20 feet	....	....	Red nun			Red reflector.	
	— Channel Buoy 21	In 16 feet	....	....	Black can			White reflector.	
	LEEDS ISLAND LIGHT **Fl. W., 4^s**	In 2 feet, at north end of sands extending from island.	....	....	TR on white platform on dolphin.		15		1934–1952
	— Channel Daybeacon 22	In 10 feet, at end of dike.	....	....	TR on pile				
11	GARDINER PAPER MILL DOCK LIGHT. **Fl. W., 5^s**	On outer end of oil dock. 43 44.5 124 07.2	....	....	Dock		13	Private aid.	1964–1966
	— LIGHT 2 **Fl. R., 4^s**	In 10 feet, off northeasterly end of Steamboat Island.	....	....	TR on white platform on dolphin.		15		1948–1965
	REESPORT UPPER LIGHT **Fl. W., 4^s**	In 3 feet, northwesterly of Bolin Island. 43 43.0 124 06.5	....	....	SW on dolphin		15		1925–1956
	MAIN CHANNEL								
	SMITH RIVER LIGHT 2 **Fl. W., 4^s**	On shore, at junction of Smith and Umpqua Rivers. 43 42.4 124 05.1	....	....	TR on white pyramidal house on pile structure.		18		1935–1962
	MACEY SANDS LIGHT 8 **Fl. W., 4^s**	On shore 43 41.9 124 04.4	....	....	TR on white cylindrical house		33		1925–1954

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	UMPQUA RIVER								
	MAIN CHANNEL								
1334.11	HINSDALE LIGHT 12 Fl. R., 4^s	In 6 feet, on south side of river, 2 miles above junction of Smith and Umpqua Rivers.	....	....	TR on white platform on dolphin.		14		196
1334.13	HINSDALE LIGHT 15 Fl. G., 4^s	On bluff, north side of river, 3 miles above junction of Smith and Umpqua Rivers.	....	....	SB on white box		15		19
1335	HINSDALE LIGHT 18 Fl. W., 4^s	In 16 feet, on south side of river.	....	....	TR on white platform on dolphin.		13		1934–196
1335.11	ECHO ISLAND LOWER LIGHT A. I. Qk. Fl. W.	In 6 feet, west of Echo Island.	....	....	JR on dolphin		14		1965–197
1336	ECHO ISLAND LIGHT 28 Fl. R., 4^s	On bank of river, south of Echo Island.	....	....	TR on a tree		21		1911–196
1337	HARVEY CREEK LIGHT 31 Fl. W., 4^s	On shore, east side of mouth of creek, 8 miles above Reedsport.	....	....	SB on white cylindrical house.		22		1928–19
1337.11	BRANDY ISLAND LIGHT 35 Fl. G., 4^s	North of brandy Island, 8.2 miles above above junction of Smith and Umpqua Rivers.	....	....	SB on white box		15		19
1337.13	INDIAN CHARLEY CREEK LIGHT 40. Fl. W., 4^s	On south side of river, 8.7 miles above junction of Smith and Umpqua Rivers.			TR on white box		15		19
	SIUSLAW RIVER (Chart 6023)								
1338 86	— *Approach Lighted Whistle Buoy S.* Mo. (A) W.	In 80 feet, off entrance to river 44 01.2 124 09.4	 100	....	Black and white vertical stripes.			Ra ref.	
1339	— ENTRANCE RANGE FRONT LIGHT. F. R.	On shore, inside of north jetty trestle. 44 01.1 124 07.7	....	....	KWR on skeleton tower			1,700 cp visible 4° ea side of rangeline.	1924–194
1340	— ENTRANCE RANGE REAR LIGHT. F. R.	370 yards 094° from front light.	....	....	White rectangular daymark with red vertical stripe on skeleton tower.		65	5,000 cp visible 4° ea side of rangeline.	1924–194
1340.09	—*North Jetty Lighted Gong Buoy 5.* Fl. W., 4^s	In 40 feet, off end of jetty.	....	....	Black			Ra ref.	
1340.10	— LIGHT 9 Fl. W., 4^s	On shore	5 100	9	SW on concrete slab		16	HORN, diaphragm; 1 b ev 30^s (3^sbl).	19
	— Channel Buoy 10	In 16 feet	....	....	Red nun			Ra ref. Red reflector.	
1340.12	— LIGHT 11 Fl. G., 4^s	On shore	....	....	SW on concrete slab		15		19
1341.11	— INNER RANGE FRONT LIGHT. Qk. Fl. W.	In 26 feet 44 00.9 124 07.8	....	....	KRB on dolphin			800 cp on rangeline wi lower intensity elsewhere.	19
1341.13	— INNER RANGE REAR LIGHT. E. Int. W., 6^s	200 yards 001° from front light.	....	....	KRB on skeleton tower		35	4,000 cp visible 4° eac side of rangeline.	19
	— Channel Buoy 12	In 15 feet	....	....	Red nun			Ra ref. Red reflector.	
	— Channel Buoy 14	In 15 feet	....	....	Red nun			Ra ref. Red reflector.	
	— Channel Buoy 15	In 15 feet	....	....	Black can			Ra ref. White reflecto	
	— Channel Buoy 16	In 40 feet	....	....	Red nun			Ra ref. Red reflector.	
1342	— LIGHT 18 Fl. R., 4^s	In 12 feet, at outer end of rock jetty.	....	....	TR on white platform on dolphin.		15		19

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
				OREGON				THIRTEENTH DISTRICT	
	SIUSLAW RIVER								
	— Channel Buoy 19	In 12 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 20	In 15 feet				Red nun		Ra ref. Red reflector.	
	— Channel Buoy 21	In 23 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 22	In 16 feet				Red nun		Ra ref. Red reflector.	
	— — Channel Daybeacin 24	In 10 feet				TR on pile			
	— Channel Buoy 26	In 16 feet				Red nun		Ra ref. Red reflector.	
11	— RANGE A FRONT LIGHT **Qk. Fl. W.**	In 18 feet 44 00.1	124 07.3			KRB on pile structure	25	900 cp on rangeline with lower intensity elsewhere.	1970
12	— RANGE A REAR LIGHT **Qk. Fl. W.**	101 yards 349°23′ from front light.				KRB on skeleton tower	34	2, 000 cp visible 4° each side of rangeline. Range lights are synchronized.	1970
	— Channel Daybeacon 28	In 8 feet				TR on pile			
	— Channel Buoy 30	In 18 feet				Red nun		Ra ref. Red reflector.	
	— Channel Daybeacon 32	In 9 feet				TR on pile			
	— Channel Buoy 34	In 17 feet				Red nun		Ra ref. Red reflector.	
21	— RANGE B FRONT LIGHT **Qk. Fl. W.**	On shore 43 58.8	124 07.6			KRB on skeleton tower	34	900 cp on rangeline with lower intensity elsewhere.	1970
22	— RANGE B REAR LIGHT **E. Int. W., 6ˢ**	167 yards 212°22′ from front light.				KRB on skeleton tower	54	3, 000 cp visible 4° each side of rangeline.	1970
	— Channel Buoy 37	In 12 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 39	In 17 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 40	In 14 feet				Red nun		Ra ref. Red reflector.	
	— Channel Buoy 41	In 17 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 43	In 18 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 44	In 11 feet				Red nun		Ra ref. Red reflector.	
	— Channel Daybeacon 45	In 13 feet				SW on pile			
	— Channel Buoy 47	In 15 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 48	In 15 feet				Red nun		Ra ref. Red reflector.	
	— Channel Buoy 49	In 17 feet				Black can		Ra ref. White reflector.	
	— Channel Buoy 50	In 16 feet				Red nun		Ra ref. Red reflector.	
	— Channel Buoy 52	In 16 feet				Red nun		Ra ref. Red reflector.	
	— Channel Buoy 54	In 6 feet				Red nun		Ra ref. Red reflector.	
	— Channel Daybeacon 55	In 7 feet				SW on pile			
	YAQUINA BAY (Chart 6055)								
	— *Approach Lighted Whistle Buoy Y.* **Mo. (A) W.**	In 100 feet, on Yaquina Bay entrance range line. 44 35.9	124 06.7	100		Black and white vertical stripes.		Ra ref.	
	— ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. W.**	In 10 feet, west of highway bridge. 44 37.1	124 03.6			White square daymark with red vertical stripe on dolphin.	20	6, 000 cp visible 4° each side of rangeline. HORN, diaphragm; 1 blast ev 30ˢ (3ˢbl).	1895–1957
	— ENTRANCE RANGE REAR LIGHT. **E. Int. W., 6ˢ**	In 5 feet, 525 yards 060° from front light.				White diamond daymark with red vertical stripe on skeleton tower on pile structure.	50	14. 000 cp visible 4° each side of rangeline.	1895–1940
	— *Entrance Lighted Bell Buoy 1* **Fl. W., 4ˢ**	In 70 feet		120		Black			
7	— *Entrance Lighted Buoy 2* **Fl. R., 4ˢ**	In 46 feet				Red		Ra ref.	
	— *Entrance Lighted Gong Buoy 3* **Fl. G., 4ˢ**	In 48 feet				Black		Ra ref.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	YAQUINA BAY										
1348.11	—NORTH JETTY LIGHT 5 Fl. W., 4^s	On north jetty	44 36.7	124 04.9	400		SW on skeleton frame		20	HORN, diaphragm; 1 blast ev 30^s(3^{s}bl). Maintained from June 1 to Oct. 1.	1969
	—Entrance Bell Buoy 6	In 24 feet	44 36.6	124 04.07			Red			Ra ref. Red reflector. Maintained from June 1 to Oct. 1.	
1349	—*Channel Lighted Buoy* 7 Fl. G., 4^s	In 20 feet, marks turn in channel.					Black				
1349.11	—CHANNEL LIGHT 8 Fl. W., 4^s	In 10 feet, west of highway bridge.							20	On same structure as Entrance Range Front Light.	1971
1349.22	—INNER RANGE FRONT LIGHT. Qk. Fl. R.	In 16 feet	44 37.7	124 02.9			KRB on pile structure		17	350 cp visible 4° each side of rangeline.	1971
1349.23	—INNER RANGE REAR LIGHT. E. Int. R., 6^s	In 3 feet, 133 yards 040°48′ from front light.					KRB on skeleton tower		28	600 cp visible 4° each of rangeline.	1971
	— Channel Buoy 8A	In 35 feet					Red nun			Ra ref. Red reflector.	
	—West Junction Buoy	In 22 feet					Black and red horizontal bands; can.			White reflector.	
1349.51	—*Channel Lighted Buoy* 9 Fl. G., 4^s	In 12 feet					Black			White reflector.	
1350	—LIGHT 10 Fl. W., 4^s	In 16 feet					TR on white platform on dolphin.		15		1952–1963
1350.11	CASCADIA LUMBER COMPANY LIGHT 10A. Fl. R., 10^s(1^{s}fl)	In 15 feet					Pile		18	Private aid.	1964
	—Channel Buoy 11	In 16 feet					Black can			White reflector.	
	—East Junction Buoy	In 12 feet					Black and red horizontal bands; can.			White reflector.	
1351	BOAT BASIN WEST LIGHT Fl. W., 4^s	In 20 feet, on west end of breakwater.	44 37.8	124 03.0			TR on white platform on piles		15		1950
1352	BOAT BASIN EAST LIGHT Fl. R., 4^s	In 18 feet, on east end of breakwater.					TR on white platform on pile		15		1950
1353	—*Channel Lighted Buoy 12* Fl. R., 4^s	In 17 feet					Red			Ra ref.	
1354	—LIGHT 14 Fl. R., 4^s	In 15 feet, east end of Hinton Point.	44 36.9	124 01.2			TR on white platform on dolphin.		29		1919–1932
	— Channel Buoy 15	In 24 feet, northwesterly of Coquille Point.					Black can			White reflector.	
	YAQUINA RIVER										
1355	—LIGHT 17 Fl. W., 4^s	In 2 feet, south of Coquille Point.	44 36.4	124 00.5			SB on white square house on piles.		15		1940
1356	—LIGHT 19 Fl. W., 4^s	On Weiser Point					SB on white square house		15		1940–1961
1357	—LIGHT 20 Fl. R., 4^s	On shore, northwest of Oneatta Point.					TR on white square box		15		1940–1965
	—Channel Buoy 21	In 14 feet					Black can			White reflector.	
	—Channel Buoy 23	In 10 feet					Black can			White reflector.	
1358	—LIGHT 22 Fl. R., 4^s	On shore, west of Oneatta Point.	44 55.1	124 01.4			TR on white square box		15		1940–1965
1359	—LIGHT 25 Fl. W., 4^s	On shore, east of Oneatta Point.					SB on white platform on dolphin.		15		1940
	—Channel Buoy 26	In 12 feet					Red nun			Red reflector.	
	—Channel Buoy 28	In 14 feet					Red nun			Red reflector.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	YAQUINA BAY									
	YAQUINA RIVER									
	—Channel Buoy 29	In 10 feet		....	....	Black can			White reflector.	
	—LIGHT 30 **Fl. R., 4^s**	On south bank		....	....	TR on white square house		15		1940
	—LIGHT 32 **Fl. R., 4^s**	In 3 feet		....	....	TR on white platform on dolphin.		15		1940–1952
	—Channel Buoy 34	In 12 feet		....	....	Red nun			Red reflector.	
	—Channel Buoy 36	In 10 feet		....	....	Red nun			Red reflector.	
	—LIGHT 37 **Fl. W., 4^s**	On west bank		....	....	SB on white square house		15		1940–1963
	—Channel Buoy 38	In 12 feet		....	....	Red nun			Red reflector.	
	—Channel Buoy 41	In 12 feet		....	....	Black can			White reflector.	
	—LIGHT 42 **Fl. R., 4^s**	On south bank		....	....	TR on white square house		15		1941–1960
	—LIGHT 44 **Fl. R., 4^s**	On east bank		....	....	TR on white square house on concrete posts.				1940
	—Channel Buoy 45	In 9 feet		....	....	Black can			White reflector.	
	—LIGHT 47 **Fl. W., 4^s**	In 14 feet at end of dike.		....	....	SB on white platform on dolphin.		23		1939–1945
	DEPOE BAY (Chart 6056)									
	— *Approach Lighted Whistle Buoy DB.* **Mo. (A) W.**	In 108 feet 44 48.3	124 05.0	100	....	Black and white vertical stripes.				
11	— *Entrance Lighted Bell Buoy 2* **Fl. W., 4^s**	In 48 feet 44 48.5	124 04.4	130	....	Red			Ra ref. Maintained from June 1 to Sept. 15.	
	— Entrance Bell Buoy 2	In 48 feet		....	....	Red			Maintained from Sept. 15 to June 1. Red reflector.	
	—Fog Signal	On shore, south side of entrance.		....	....	White square house			HORN, diaphragm; 1 blast ev 30^s (3^{s}bl).	1953
	—ENTRANCE RANGE FRONT LIGHT. **Occ. R., 4^s (3^{s}lt)**	Under south span of highway bridge. 44 48.7	124 03.8	....	....	SW with red vertical stripe on skeleton tower.		38	1,600 cp visible 4° each side of rangeline.	1936–1943
	—ENTRANCE RANGE REAR LIGHT. **Occ. R., 4^s (3^{s}lt)**	35 yards 85°40′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.		44	1,600 cp visible 4° each side of rangeline. Range lights are synchronized. Entrance to inner harbor flood-lighted to assist those persons having an intimate knowledge of locality to enter the bay at night. Strangers and those having only a limited knowledge of these waters should not attempt this entrance at night, especially in bad weather.	1936–1969
	NETARTS BAY (Chart 5902)									
	—Approach Whistle Buoy N	In 60 feet 45 26.4	123 58.6	....	....	Black and white vertical stripes.			White reflector. (Also listed after No. 91).	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	TILLAMOOK BAY (Chart 6112)								
1370.05 93.05	—*Approach Lighted Whitle Buoy T.* **Mo. (A) W.**	In 114 feet 45 34.3	123 59.5	130		Black and white vertical stripes.		Ra ref.	
1370.11	— *Entrance Lighted Bell Buoy 1* **Fl. R., 4^s**	In 57 feet 45 34.3	123 58.6	130		Black		Ra ref.	
1371	— ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. R.**	On shore, westerly of Barview. 45 34.1	123 56.6			White square daymark with red vertical stripe on skeleton tower.	33	1,000 cp visible on ra line with lower inte sity elsewhere.	1927–19
1372	— ENTRANCE RANGE REAR LIGHT. **E. Int. R., 6^s**	258 yards 094°30′ from front light.				White diamond daymark with red vertical stripe on skeleton tower.	53	5,000 cp visible 4° ea side of rangeline.	1927–1
1372.11	*Garibaldi Channel Lighted Buoy* **Fl. R., 4^s**	In 20 feet, marks turn in channel. 45 34.0	123 56.6			Red		Ra ref.	
	Garibaldi Channel Buoy 8	In 25 feet				Red nun		Red reflector.	
1372.13	*Garibaldi Channel Lighted Buoy 10* **Fl. R., 4^s**	In 33 feet, off Kincheloe Point. 45 33.5	123 56.0			Red		Ra ref.	
	Garibaldi Channel Buoy 11	In 10 feet, southerly of Sow and Pigs Rocks.				Black can		Ra ref. White reflecto	
1373	*Garibaldi Channel Lighted Buoy 12* **Fl. R., 4^s**	In 16 feet				Red		White reflector.	
	Garibaldi Channel Buoy 13	In 16 feet				Black can		White reflector.	
	Garibaldi Channel Buoy 15	In 16 feet				Black can		White reflector.	
1374	GARIBALDI LIGHT 17 **F. G.**	On end of pier 45 33.3	123 55.1	400		SB on pile	15		19
1375	GARIBALDI LIGHT 19 **Fl. W., 4^s**	In 14 feet, entrance to Turning Basin (Miami Cove). 45 33.2	123 54.8			SB on dolphin	15		1938–19
	NEHALEM RIVER (Chart 6122)								
	— Approach Whistle Buoy NR	In 62 feet, off entrance to river. 45 39.3	123 57.5			Black and white vertical stripes.		White reflector. (Also listed after No. 93.	
	—Entrance Range Front Daybeacon	On shore, south of Jetty Creek. 45 39.6	123 55.8			SW with red vertical stripe on tripod.		Private aid. Due to s sonal changes in ent channel, use only wi local knowledge.	
	— Entrance Range Rear Daybeacon.	120 yards 085° from front daybeacon.				White diamond daymark with red vertical stripe on tree.		Private aid.	
	— South Jetty Buoy 2SJ	In 30 feet				Red oil drum		Private aid. Maintain from June 1 to Sept.	
	— Buoy 2	In 14 feet, near Crab Rock.				Red oil drum		Private aid.	
	— Buoy 4	In 12 feet, near Brighton.				Red oil drum		Private aid.	
	— Buoy 5	In 10 feet, near Sunset Beach.				Black oil drum		Private aid.	
	— Buoy 7	In 12 feet, northerly Fishery Point.				Black oil drum		Private aid.	
	—Daybeacon 9	In 4 feet				SB on pile		Private aid.	

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER [1]								
ENTRANCE TO HARRINGTON POINT								
MAIN CHANNEL (Chart 6151)								
Cape Disappointment Light .... **Alt. Fl. W. & R., 30ˢ** 0.3ˢWfl., 14,7ˢec. 0.3ˢRfl., 14.7ˢec. Resident Personnel.	North side of mouth of Columbia River. 46 16.6 124 03.1	22W 200,000 18R 45,000	21	White conical tower	53	220	Light is displayed from 1 hour before sunset to 1 hour after sunrise. Light obscured northward of 137½°. RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. Coast Guard station inside point of Fort Canby. Telephone to Astoria.	1856
COLUMBIA RIVER ENTRANCE RANGE FRONT LIGHT. **F. R.**	On Cape Disappointment, 55 yards 080° from Cape Disappointment Light. 46 16.6 124 03.0	....	....	White square daymark with black vertical stripe on skeleton structure.		186	250,000 cp visible 5° each side of rangeline. Lighted throughout 24 hours.	1916–1955
COLUMBIA RIVER ENTRANCE RANGE REAR LIGHT. **F. G.**	625 yards 045° from from light.	....	....	White diamond daymark with black vertical stripe on skeleton structure.		240	250,000 cp visible 5° each side of rangeline. Lighted throughout 24 hours.	1916–1963
Columbia River Entrance Lighted Bell Buoy 1. **Fl. W., 4ˢ**	In 75 feet, 3.3 miles southwesterly of end of North Jetty.	 300	....	Black			Ra ref.	
Columbia River Entrance Lighted Whistle Buoy 2. **Fl. R., 4ˢ**	In 86 feet, 2 miles southwesterly of end of South Jetty.	....	....	Red			Ra ref.	
Peacock Spit Bell Buoy 3	In 48 feet	....	...	Black			Ra ref. White reflector.	
Clatsop Spit Lighted Whistle Buoy 4. **Fl. W., 4ˢ**	In 52 feet, 100 yards outside channel limit.	 100	....	Red				
Columbia River South Jetty Bell Buoy 2SJ.	In 75 feet, off end of jetty. 46 14.1 124 05.7	....	....	Red			Red reflector.	
Clatsop Spit Lighted Whistle Buoy 6. **Fl. R., 4ˢ**	In 56 feet, 325 yards outside channel limit.	....	....	Red				
Peacock Spit Lighted Bell Buoy 7 ... **Qk. Fl. W.**	In 60 feet	 200	....	Black			Ra ref.	
Clatsop Spit Lighted Whistle Buoy 8. **Qk. Fl. R.**	In 39 feet	....	....	Red			Ra ref.	
Peacock Spit Lighted Bell Buoy 9 .. **Fl. G., 4ˢ**	In 64 feet	....	....	Black				
SAND ISLAND RANGE FRONT LIGHT. **Qk. Fl. W.**	In 5 feet 46 16.0 123 59.5	....	....	White square daymark with red vertical stripe on tower on pile structure.		19	6,000 cp visible 4° each side of rangeline.	1909–1958
SAND ISLAND RANGE REAR LIGHT. **E. Int. W., 6ˢ**	In 7 feet, 980 yards 080° from front light.	....	....	white diamond daymark with red vertical stripe on tower on pile structure.		50	14,000 cp visible 4° each side of rangeline.	1909–1952
Clatsop Spit Lighted Whistle Buoy 10 **Fl. R., 4ˢ**	In 60 feet	....	....	Red				

---

[1] In the event of flood conditions in the Columbia River, aids to navigation may be temporarily discontinued, lights may be extinguished or destroyed, and buoys may be extinguished or dragged off station. Under such conditions vessel operators should consult with local authorities before attempting to navigate in these waters.

(1) No.	(2) Nominal Characteristic	(3) Location			(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure			(7) Remarks	Year
			Lat. N.	Long. W.				Ht. above ground	Ht. above water		
	COLUMBIA RIVER										
	ENTRANCE TO HARRINGTON POINT										
	MAIN CHANNEL										
1394	*Peacock Spit Lighted Bell Buoy 11* . Fl. G., 4^s	In 86 feet marks end of Jetty A.			....	....	Black				
	(For Baker Bay, see No. 2004)										
1395	*Clatsop Spit Lighted Whistle Buoy 12.* Qk. Fl. W.	In 53 feet			 120	....	Red			Ra ref.	
1396	*Clatsop Spit Lighted Whistle Buoy 14.* Qk. Fl. R.	In 42 feet			....	....	Red			Ra ref.	
	(For North Channel, Grays Bay see No. 2040)										
1397	*Desdemona Sands Channel Lighted Bell Buoy 19.* Fl. G., 4^s	In 52 feet, 375 yards outside channel limit.			....	....	Black				
1398	*Desdemona Sands Channel Lighted Bell Buoy 21.* Fl. W., 4^s	In 43 feet, 200 yards outside channel limit.			 300	....	Black			Ra ref.	
1398.11	*Desdemona Sands Channel Lighted Buoy 22.* Fl. R., 4^s	In 30 feet, 70 yards outside channel limit.			....	....	Red			Ra ref.	
1399	DESDEMONA SANDS LIGHT ...... Fl. W., 4^s	In 10 feet, near west end of shoal.	46 13.5	123 57.2	 100	....	NR on dolphin		23		1902–19
1400	*Desdemona Sands Channel Lighted Buoy 25.* Fl. G., 4^s	In 37 feet, 250 yards outside channel limit.			....	....	Black			Ra ref.	
1401	FORT STEVENS WHARF LIGHT 26. Gp. Fl. R., 10^s 2.5^sfl., 1^sec. 2.5^sfl., 4^sec. 2 flashes.	In 20 feet, northerly of Hammond.	46 12.4	123 57.0	 400	....	TR on white house on pile structure.		30	HORN, diaphragm; 1 b ev 15^s (2^sbl).	1884–19
	(For Fort Stevens Boat Harbor, near Hammond, see No. 2022)										
1402	*Desdemona Sands Channel Lighted Bell Buoy 27.* Fl. W., 4^s	In 28 feet, 285 yards outside channel limit.			 100	....	Black				
1403	*Desdemona Sands Channel Lighted Bell Buoy 29.* Qk. Fl. G.	In 37 feet, 100 yards outside channel. limit.			....	....	Black				
	(For Skipanon Waterway, see No. 2024)										
1404	*Desdemona Lower Sands Lighted Bell Buoy 31.* Fl. W., 4^s	In 26 feet, 90 feet outside channel limit.			 200	....	Black			Ra ref.	

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER									
ENTRANCE TO HARRINGTON POINT									
MAIN CHANNEL									
TANSY POINT RANGE FRONT LIGHT. **Qk. Fl. R.** **Qk. Fl. R.**	In 16 feet 46 11.3	123 55.1	 1,000	....	White square daymark with red vertical stripe on pile structure.		17 22	4,000 cp visible 2° each side of rangeline. Leading light shows 1,000 cp on bearing 136° with lower intensity elsewhere. HORN, diaphragm; 2 blasts ev 30ˢ(2ˢbl-2ˢsi-2ˢbl-24ˢsi).	1928–1960
TANSY POINT RANGE REAR LIGHT. **E. Int. R., 6ˢ**	960 yards 264° from front light.		....	....	Red rectangular daymark on skeleton tower.		53	8,000 cp visible 2° each side of rangeline.	1928–1966
(For Youngs Bay, see No. 2028)									
Tansy Point Range Lighted Buoy 33. **Fl. W., 4ˢ**	In 37 feet		 100	....	Black			Ra ref.	
Tansy Point Range Buoy 35A	In 36 feet, 68 yards outside channel limit.		....	....	Black can			Ra ref. White reflector.	
Astoria-Point Ellice Bridge Fog Signal.	On bridge		....	....	Bridge pier		169	HORN, diaphragm; 1 blast ev 30ˢ(3ˢ bl). Private aid.	1967
Tansy Point Range Buoy 35B	In 50 feet, 68 yards outside channel limit.		....	....	Black can			Ra ref. White reflector.	
ASTORIA LIGHT 36 .... **Qk. Fl. R.**	On Elmore Cannery Dock.		 140	....	TR on dock		42		1884–1948
Astoria Crossing Lighted Buoy 37.. **Fl. G., 4ˢ**	In 40 feet		....	....	Black			Ra ref.	
ASTORIA LOWER RANGE FRONT LIGHT. **F. R.**	On Cannery roof 46 11.5	123 50.0	....	....	KRW on roof		40	50,000 cp visible 3° each side of rangeline.	1904–1967
ASTORIA LOWER RANGE REAR LIGHT. **F. R.**	570 yards 241°13′ from front light.		....	....	KRW on tower		175	100,000 cp visible 3° each side of rangeline.	1903–1967
ASTORIA FERRY TERMINAL LIGHT. **F. R.**	At outer end of ferry slip. 46 11.4	123 49.6	....	....	Dolphin		20	Private aid.	1955–1964
Astoria Range Lighted Buoy 39..... **Fl. W., 4ˢ**	In 30 feet, 180 yards outside channel limit.		 100	....	Black			Ra ref.	
Astoria Range Lighted Buoy 40..... **Fl. R., 4ˢ**	In 42 feet, 150 yards outside channel limit.		....	....	Red			Ra ref.	
ASTORIA BREAKWATER WEST LIGHT. **F. R.**	On west corner of breakwater. 46 11.7	123 48.3	....	....	Pole		15	Private aid.	1957
ASTORIA BREAKWATER EAST LIGHT. **F. R.**	On east corner of breakwater.		....	....	Pole		15	Private aid.	1957
Astoria Rock Buoy	In 28 feet 46 11.9	123 47.6	....	....	Red and black horizontal bands; nun.			Red reflector.	
Astoria Range Lighted Buoy 42..... **Fl. W., 4ˢ**	In 45 feet, 200 yards outside channel limit.		 100	....	Red			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON AND WASHINGTON							THIRTEENTH DISTRICT	
	COLUMBIA RIVER								
	ENTRANCE TO HARRINGTON POINT								
	MAIN CHANNEL								
1418	TONGUE POINT LIGHT Fl. R., 6^{s}(2^{s}fl)	On corner of Coast Guard Depot wharf. 46 12.5	123 46.1	400		Pole	20	F. Amber control light of cp turned on at request Columbia River pilots to indicate bar is impassable.	1893–1947
1419	*Tongue Point Channel Lighted Buoy 43.* Fl. W., 4^{s}	In 36 feet, 50 yards outside channel limit.		100		Black		Ra ref.	
1420	*Tongue Point Channel Lighted Buoy 44.* Fl. R., 4^{s}	In 40 feet, 100 yards outside channel limit.				Red		Ra ref.	
	(For Cathlamet Bay, see No. 2049)								
1421	TONGUE POINT CHANNEL LIGHT 45. Fl. G., 4^{s}	In 26 feet, 150 yards outside channel limit.				SB on white platform on dolphin.	23		1963–1966
1422	*Tongue Point Channel Lighted Buoy 47.* Qk. Fl. W.	In 37 feet, 90 yards outside channel limit.		100		Black			
1423	TONGUE POINT CROSSING LIGHT 49. Fl. G., 4^{s}	In 25 feet, 375 yards outside channel. limit.				SB on white platform on pyramidal structure.	12		1914–1931
1424	*Harrington Point Range Lighted Buoy 50.* Fl. R., 4^{s}	In 35 feet, 25 yards outside channel limit.				Red		Ra ref.	
1425	HARRINGTON POINT RANGE FRONT LIGHT. Qk. Fl. W.	In 5 feet 46 15.4	123 40.5	160		KRB on pile structure	20	1,600 cp on rangeline with lower intensity elsewhere.	1898–1967
1426	HARRINGTON POINT RANGE REAR LIGHT. E. Int. W., 6^{s}	In 10 feet, 1,190 yards 054° from front light.		180		KRB on skeleton tower on pile.	48	3,000 cp on rangeline with lower intensity elsewhere, except higher intensity beam upstream.	1898–1967
1427	HARRINGTON POINT CHANNEL LIGHT 52. Fl. W., 4^{s}	In 12 feet, 175 yards outside channel. limit.		100		TR on white square house, on pile structure.	17		1887–1943
	(For Woody Island Channel see after No. 2057).								
1428.11	*Harrington Point Channel Lighted Buoy 54.* Fl. R., 4^{s}	In 24 feet, 75 feet outside channel limit. 46 14.6	123 41.8			Red		Ra ref.	
	HARRINGTON POINT TO CRIMS ISLAND								
	MAIN CHANNEL (Chart 6152)								
1429	MILLER SANDS UPPER RANGE FRONT LIGHT. Qk. Fl. G.	In 26 feet, at outer end of Dike No. 24.63. 46 15.7	123 38.4			KRB on pile structure	15	450 cp on rangeline.	1957–1967

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER HARRINGTON POINT TO CRIMS ISLAND MAIN CHANNEL									
	MILLER SANDS UPPER RANGE REAR LIGHT. **E. Int. G., 6^s**	On shore, 1,100 yards 70°30′ from light.			....	....	KRB on skeleton tower	50	2,000 cp visible 2° each side of rangeline.	1957
	Miller Sands Channel Lighted Buoy 2. **Qk. Fl. R.**	In 36 feet, 75 yards outside channel limit.	46 15.0	123 40.8	....	....	Red			
	Miller Sands Channel Lighted Buoy 3. **Fl. W., 4^s**	In 30 feet, 33 yards outside channel limit.			130	....	Black			
11	MILLER SANDS DIKE LIGHT 5 .. **Fl. G., 4^s**	In 36 feet, on end of Dike No. 23, 45, 83 yards outside channel limit.	46 15.4	123 40.0	....	....	SB with white platform on dolphin.	15	Higher intensity beam up and down channel.	1966
	Miller Sands Channel Lighted Buoy 6. **Fl. R., 4^s**	In 28 feet, 50 yards outside channel limit.			....	....	Red			
	Miller Sands Channel Lighted Buoy 10. **Qk. Fl. R.**	In 39 feet, on north edge of Miller Sands.			....	....	Red		Ra ref.	
	PILLAR ROCK LOWER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 14 feet	46 15.2	123 32.6	....	....	KRB on pile structure	20	900 cp on range line with lower intensity elsewhere.	1945–1967
	PILLAR ROCK LOWER RANGE REAR LIGHT. **E. Int. W., 6^s**	In 16 feet, 800 yards 096° from front light.			....	....	KRB on skeleton tower on pile structure.	50	3,000 cp visible 4° each side of rangeline.	1945–1967
. 13	*Miller Sands Channel Lighted Buoy 12.* **Fl. W., 4^s**	In 37 feet	46 15.4	123 38.2	....	....	Red		Ra ref.	
7	*Elliott Point Lighted Buoy 13* ..... **Fl. W., 4^s**	In 71 feet			100	....	Black		Ra ref.	
	Pillar Rock Lower Range Lighted Buoy 14. **Fl. R., 4^s**	In 38 feet...........			....	....	Red........................		Ra ref.	
.11	PILLAR ROCK DIKE LIGHT 14A . **Fl. W., 4^s**	In 35 feet, at outer end of Dike No. 27.08.			100	....	Red triangular daymark on dolphin.	12	Red reflector.	1967
	Pillar Rock Channel Lighted Buoy 15. **Fl. G., 4^s**	In 45 feet, southerly of rock.			....	....	Black		Ra ref.	
	PILLAR ROCK LIGHT 17 .... **E. Int. W., 6^s**	On rock	46 15.5	123 35.2	160	....	Black square daymark on white house.	25	Green reflector.	1922–1956
1	PILLAR ROCK UPPER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 1 foot, southeasterly of Three Tree Point.	46 15.8	123 30.9	....	....	KRW on pile structure	15	350 cp visible 4° each side of rangeline.	1944–1969
2	PILLAR ROCK UPPER RANGE REAR LIGHT. **E. Int. R., 6^s**	In 5 feet, 1,075 yards 082°20′ from front light.			....	....	KRW on tower on dolphin		600 cp visible 4° each side of rangeline.	1944
3	*Pillar Rock Upper Range Lighted Buoy 18.* **Fl. R., 4^s**	In 36 feet, opposite Jim Crow Point.			....	....	Red...........................		Ra ref.	
4	JIM CROW POINT LIGHT 19 ..... **Fl. W., 4^s**	On point	46 15.6	123 33.8	100	....	SW on white house	24		1888–1953
14.11	JIM CROW DIKE LIGHT 21 .... **Fl. G., 4^s**	In 20 feet at outer end of Dike No. 28.95.			....	....	SW on dolphin	12		1967

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
				OREGON AND WASHINGTON					THIRTEENTH DISTRICT	
	COLUMBIA RIVER									
	HARRINGTON POINT TO CRIMS ISLAND									
	MAIN CHANNEL									
1444.13	JIM CROW DIKE LIGHT 21A **Qk. Fl. W.**	In 38 feet, on outer end of dike No. 29.35.			....	....	SW on dolphin	12		1967
1446	THREE TREE POINT LIGHT 23 **Fl. W., 4^s**	On point	46 16.1	123 31.2	100	....	SW on white house	40		1889–1919
1447	*Welch Island Channel Lighted Buoy 26.* **Fl. R., 4^s**	In 40 feet			....	....	Red			
1448	ROCKLAND LIGHT 27 **E. Int. G., 6^s**	On north bank	46 16.3	123 30.2	....	....	SW on white square house	19		1928
1449	*Welch Island Channel Lighted Buoy 28.* **Fl. R., 4^s**	In 44 feet			....	....	Red			
1450	BAYVIEW LIGHT 29 **Fl. W., 4^s**	On north bank	46 16.5	123 29.2	100	....	SW on white house	18		1909–1926
1451	*Welch Island Channel Lighted Buoy 30.* **Fl. R., 4^s**	In 45 feet			....	....	Red			
1452	SKAMOKAWA LIGHT 31 **Qk. Fl. G.**	In 24 feet, 0.6 mile westerly of entrance to Skamokawa Creek.			....	....	SW on white platform on dolphin.	15		1934–1971
1453	*Welch Island Channel Lighted Buoy 32.* **Qk. Fl. R.**	In 40 feet			....	....	Red			
1454	SKAMOKAWA CREEK LIGHT 33 **Fl. W., 4^s**	In 5 feet, eastside of entrance to Skamokawa Creek.			100	....	SB on white platform and white platform and white echo board, on pile.	15		1893–1964
1455	PRICE ISLAND LIGHT 35 **Fl. W., 4^s**	In 50 feet, at outer end of Dike 34.63.			200	....	SB on dolphin	12		1913–197
1456	STEAMBOAT SLOUGH LIGHT 37 **Fl. W., 4^s**	On shore, southeast of Price Island.			100	....	SB on skeleton tower on P.U.D. dike.			1915–1961
1457	HUNTING ISLAND LIGHT 39 **Fl. G., 4^s**	In 6 feet, off west side of Northern Hunting Island.			....	....	SB on white platform on dolphin.	11		1949–1964
1458	PUGET ISLAND RANGE FRONT LIGHT. **Qk. Fl. W.**	In 9 feet off Hunting Island.	46 13.7	123 25.2	....	....	KWR on dolphin	12	1,600 cp visible 4° each side of rangeline.	1906–1966
1459	PUGET ISLAND RANGE REAR LIGHT. **E. Int. W., 6^s**	In 3 feet, 525 yards 009° from front light.			180	....	KRW on dolphin	45	1,800 cp on rangeline w lower intensity elsewhere, except higher intensity beam downstream.	1906–1944
1460	*Puget Island Range Lighted Buoy 41* **Fl. W., 4^s**	In 50 feet, easterly of Tenasillahe Island.			100	....	Black			
	Bernie Slough Buoy 2	In 15 feet	46 12.5	123 25.3	....	....	Red nun		Red reflector.	
1461	CLIFTON DIKE LIGHT 42 **Fl. R., 4^s**	In 22 feet, on north end of Dike No. 38.26.			....	....	TR on white conical house on dolphin.	20	Higher intensity beam up and down channel.	1925–196
1462	CLIFTON DIKE LIGHT 44 **Fl. R., 4^s**	In 17 feet, on south end of Dike No. 38.26.			....	....	TR on dolphin	20		1925–196
1463	BUGBY HOLE LIGHT 46 **Qk. Fl. W.**	On railroad fill			160	....	TR on white box	15		1906–196
1464	PUGET ISLAND LIGHT 47 **Fl. W., 4^s**	On shore	46 10.8	123 25.4	200	....	SW on skeleton tower	15		1913–197

	(2) Name Characteristic	(3) Location Lat. N.	Loog. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	HARRINGTON POINT TO CRIMS ISLAND								
	MAIN CHANNEL								
	PUGET ISLAND LIGHT 49 .... **Fl. G., 4s**	In 35 feet, at outer end of Dike No. 40.51.		....	....	SB on white cylindrical house on dolphin.	17		1939–1950
	WAUNA RANGE FRONT LIGHT . . **Qk. Fl. W.**	On shore on easterly side of entrance to Westport Slough. 46 08.6	123 22.9	....	....	KWR on dolphin		900 cp on rangeline with lower intensity elsewhere.	1927–1967
	WAUNA RANGE REAR LIGHT .... **E. Int. W., 6s**	673 yards 137°30′ from front light.		....	....	KWR on dolphin	56	3,000 cp visible 4° each side of rangeline.	1927–1967
	WAUNA LIGHT 51 .... **Fl. W., 4s**	In 27 feet, off Welcome Slough.		 100	....	SB on white platform on dolphin.	16		1926–1961
11	CROWN ZELLERBACH WATER INTAKE LIGHT. **F. R.**	In 12 feet 46 09.2	123 23.8	....	....	Black and white checkered daymark on dolphin.	25	White reflector. Private aid.	1965
12	WAUNA LOWER LIGHT .... **F. R.**	In 57 feet 46 09.7	123 24.5	....	....	Dolphin	11	Private aid.	1968
13	WAUNA CRANE BOOM LIGHT ... **F. R.**	In 32 feet		....	....	Crane boom	55	Private aid.	1968
14	WAUNA MIDDLE LIGHT .... **F. R.**	In 77 feet		....	....	Dolphin	11	Private aid.	1968
	WAUNA DIKE LIGHT 57 .... **Qk. Fl. G.**	In 18 feet, at west end of Dike No. 42.93, northwesterly of Pancake Point.		....	....	SB on white cylindrical house on dolphin.	20		1925–1940
	DRISCOLL RANGE FRONT LIGHT. **Qk. Fl. W.** **Qk. Fl. R.**	In 10 feet 46 09.0	123 23.6	...	....	KWR on dolphin	23 23	7,000 cp visible 2° each side of rangeline. Passing light visible up and down channel.	1926–1971
	DRI SCOLL RANGE REAR LIGHT. **E. Int. R., 6s**	410 yards 284° from front light.		....	....	KWR on skeleton tower	44	12,000 cp visible 2° each side of rangeline.	1926–1950
.11	WESTPORT DIKE LIGHT 58 ..... **Fl. R., 4s**	In 29 feet, at outer of Dike No. 43.30.		....	....	TR on white platform on pile ...	15	Higher intensity beam up and down channel.	1966
3	PANCAKE POINT DIKE LIGHT 59. **Fl. G., 4s**	In 20 feet, at outer end of Dike No. 43.55, off point.		....	....	TR on white platform on dolphin.	20		1925–1964
.11	WESTPORT DIKE LIGHT 60 ...... **Fl. W., 4s**	In 36 feet, at outer end of Dike No. 43.92.		 100	....	TR on white platform on pile ...	15	Higher intensity beam up and down channel.	1966
4	WESTPORT RANGE FRONT LIGHT. **Qk. Fl. W.**	In 20 feet, east of Westport Slough. 46 08.5	123 21.1	 160	....	KWR on pile structure	17	1,600 cp on rangeline with lower intensity elsewhere.	1920–1968
5	WESTPORT RANGE REAR LIGHT. **E. Int. W., 6s**	On shore, 500 yards 269½° from front light.		 4,000	....	KWR on pile structure	58	4,000 cp visible 4° each side of rangeline.	1920–1968
6	WESTPORT DIKE LIGHT 62 ..... **Fl. R., 4s**	In 28 feet, at outer end of Dike No. 44.90.		....	....	TR on white platform on dolphin.	19	Higher intensity beam up and down channel.	1925–1957
77	WESTPORT DIKE LIGHT 64 ...... **Fl. W., 4s**	In 34 feet, at outer end of Dike No. 45.66.		....	....	TR on white platform on dolphin.	15		1925–1956
78	WESTPORT DIKE LIGHT 66 ...... **Qk. Fl. R.**	In 26 feet, at outer end of Dike No. 46.50.		....	....	TR on white platform on dolphin.	15		1925–1965

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER							
	HARRINGTON POINT TO CRIMS ISLAND							
	MAIN CHANNEL							
1478.11	WESTPORT TURN LIGHT 66A Fl. R., 4^s	In 10 feet			TR on white platform on dolphin.	11	Higher intensity beam up and down channel.	1968
1479	CATHLAMET DIKE LIGHT 67 Fl. G., 4^s	In 16 feet, at south end of Dike No. 46. 87.			SB on white platform on dolphin.	15		1925–1965
1480	*Westport Channel Lighted Buoy 68* Fl. W., 4^s	In 32 feet	100		Red			
	CATHLAMET CHANNEL							
1481	—LIGHT 2 Fl. W., 4^s	In 20 feet, in northern end of Cathlamet Channel. 46 12.4 123 24.6			TR on white platform on dolphin.	15		1933–1961
1482	—LIGHT 6 Fl. R., 4^s	In 6 feet, at outer end of dike.			TR on white platform on dolphin.	15		1934–1971
1483	—LIGHT 7 Fl. W., 4^s	On shore, 1.8 miles northwesterly of Cape Horn.			SW on white square house	28		1888–1929
1484	—LIGHT 8 Fl. W., 4^s	In 15 feet, at north end of Dike No. 47. 35, 0.5 mile westerly of Cape Horn.			TR on white platform on dolphin.	15		1925–1966
	MAIN CHANNEL							
1485	WATERFORD LIGHT 69 Fl. W., 4^s	On bluff, 0.9 miles easterly of Cape Horn. 46 09.2 123 15.9			SW on white house	30		1887–1928
1486	EUREKA CHANNEL LIGHT 70 Fl. R., 4^s	In 5 feet, north of Wallace Island.			TR on white platform on dolphin.	15		1933–1969
1487	COOPER POINT LIGHT 71 Fl. W., 4^s	On point	5 100	10	SW on white house	23		1898–1922
1488	*Eureka Channel Lighted Buoy 73* Fl. G., 4^s	In 39 feet, marks rocks.			Black		Ra ref.	
1489	EUREKA DIKE LIGHT 76 Fl. R., 4^s	In 18 feet, at north end of Dike No. 50. 60.			TR on white platform on pile	15	Higher intensity beam down channel.	1924–1971
1490	EUREKA LIGHT 77 Qk. Fl. W.	In 17 feet, off Cannery dock.			SB on white house on dolphin	18		1932–1963
1491	EUREKA DIKE LIGHT 78 Fl. R., 4^s	In 18 feet, at west end of Dike No. 51. 10.			TR on white house on dolphin	17	Higher intensity beam down channel.	1924–1965
1492	EUREKA DIKE LIGHT 80 Fl. W., 4^s	In 14 feet, at east end of Dike No. 51. 10.			TR on white house on dolphin	13		1924–1966
1493	EUREKA DIKE LIGHT 79 Fl. W., 4^s	In 35 feet, off outer end of Dike 51. 75.			SB on white platform on pile	15		1963
1494	EUREKA BAR DIKE LIGHT Fl. W., 4^s	In 6 feet, at south end of Dike No. 50. 16.			NB on pile	15		1962–1965

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON AND WASHINGTON								THIRTEENTH DISTRICT	
	COLUMBIA RIVER									
	HARRINGTON POINT TO CRIMS ISLAND									
	WALLACE SLOUGH									
	WALLACE ISLAND LIGHT 1 ...... **Fl. W., 4^s**	In 7 feet, off northeast point of island. 46 08.9	123 13.8	....	....	SB on white platform on dolphin.		16		1908–1959
	HOTCHKISS DIKE LIGHT 2 ...... **Fl. W., 4^s**	In 18 feet, at west end of Dike No. 51. 60.		....	....	TR on white platform on dolphin.		14		1924–1969
	BEAVER PIER WEST END LIGHT. . **F. R.**	On west end of pier... 46 10.8	123 11.1	....	....	....			Maintained by U. S. Army.	1953–1956
	BEAVER PIER EAST END LIGHT. . **F. R.**	On east end of pier....		....	....	....			Maintained by U. S. Army.	1953–1956
	OAK POINT LIGHT 81 .... **Fl. W., 4^s**	On shore 46 11.2	123 10.9	....	....	SW on white box		14		1935–1965
	ABERNATHY POINT LIGHT 83 ... **Qk. Fl. W.**	On point		 100	....	SW on white house		20		1909–1928
	BUNKER HILL LIGHT 85 .... **Fl. G., 4^s**	On shelf on rock 46 11.4	123 08.3	....	....	SB on white house on platform . .		16	Higher intensity beam up channel.	1930–1942
	Crims Island Channel Lighted Buoy 86. **Fl. W., 4^s**	In 48 feet		 100	....	Red			Ra ref.	
	CRIMS ISLAND TO ST. HELENS									
	MAIN CHANNEL (Chart 6153)									
	STELLA RANGE FRONT LIGHT . . **F. G.**	In 20 feet, near mouth of Coal Creek Slough. 46 11.3	123 07.4	....	....	KRB on pile structure		20	900 cp on rangeline with lower intensity elsewhere.	1929–1970
	STELLA RANGE REAR LIGHT . . . **F. G.**	In 2 feet, 257 yards 308°30′ from front light.		....	....	KRB on skeleton tower on pile structure.		44	2,100 cp visible 2° each side of rangeline.	1929–1970
. 12	CLEAVELAND LIGHT 1 .... **Fl. W., 4^s**	In 39 feet at outer end of Dike No. 56.81, 340 feet outside channel limit.		5 100	8	SW on dolphin		12		1970
	CLEAVELAND LIGHT 3 .... **Fl. G., 4^s**	In 28 feet, at outer end of Dike No. 57.57.		....	....	SW on dolphin		12		1920–1970
	Fisher Island Channel Lighted Buoy 5. **Fl. W., 4^s**	In 38 feet, 60 feet outside channel limit.		 100	....	Black			Ra ref.	
	FISHER ISLAND LIGHT 7 .... **Qk. Fl. W.**	In 33 feet, at outer end of Dike No. 59.85.		....	....	SB on white platform on dolphin.		13		1919–1965
8	FISHER ISLAND LIGHT 9 .... **Fl. G., 4^s**	In 36 feet, at southwesterly end of Dike No. 60.21.		....	....	SB on white platform on dolphin.		15		1925–1965
9	*Fisher Island Channel Lighted Buoy 10.* **Fl. R., 4^s**	In 44 feet 46 09.3	123 03.4	....	....	Red			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	CRIMS ISLAND TO ST. HELENS								
	CRIMS ISLAND								
1509.11	—DIKE LIGHT 2 Fl. R., 4^s	In 17 feet, at outer end of Dike No. 56.64.			TR on dolphin		12		1970
1509.22	—DIKE LIGHT 4 Fl. W., 4^s	In 20 feet, at outer end of Dike No. 57.10.	100		TR on dolphin		12		1970
1509.33	—DIKE LIGHT 6 Fl. R., 4^s	In 20 feet, at north end of Dike No. 57.54.			TR on dolphin		12		1970
	BRADBURY SLOUGH								
1509.44	—LIGHT 1 Fl. W., 4^s	In 12 feet at south end of Dike No. 57.54.	100		SW on dolphin		12		1970
	FISHER ISLAND SLOUGH								
	—Buoy 2	In 15 feet, west of Fisher Island. 46 10.3 123 05.1			Red nun			Red reflector.	
1510	—LIGHT 3 Fl. W., 4^s	In 13 feet, near end of Dike 60.51 southeasterly of Fisher Island.			SB on white platform on dolphin.		15		1950
	MAIN CHANNEL								
1511	WALKER ISLAND LIGHT 12 Qk. Fl. W.	In 28 feet, at outer end of Dike No. 61.02.			TR on white house on dolphin		15		1928–1965
1512	BARLOW POINT LIGHT 13 Fl. W., 4^s	In 16 feet, close to point.	100		SB on white platform on dolphin.		15		1928–1969
1513	*Barlow Point Channel Lighted Buoy 15.* Fl. G., 4^s	In 46 feet to mark shoal.			Black				
1513.05	LONGVIEW DOCK LIGHTS 4 F. R.	In 38 feet 46 08.2 123 00.1			Dolphins		7	Private aids.	1968
1513.11	*Longview Channel Lighted Buoy 17* Qk. Fl. W.	In 36 feet at turn in channel.			Black			Ra ref.	
1514	*La Du Rock Lighted Buoy 19* Fl. W., 4^s	In 28 feet, northwesterly of Mt. Coffin.			Black			Ra ref.	
1516	LORD ISLAND LIGHT 20 Fl. R., 4^s	In 25 feet, at north end of Dike No. 63.62.			TR on white platform on dolphin.		25	Higher intensity beam up down channel.	1928–1965
	MOUNT COFFIN								
1517	—LIGHT Fl. W., 4^s	On point 46 07.7 122 59.2			SB on white house		26		1891–1942
1518	LONGVIEW RANGE FRONT LIGHT. F. R.	On top of pump house. 46 07.4 122 58.6			SW with red vertical stripe		64	Visible 5° each side of centerline of channel. Private aid.	1929–1955
1519	LONGVIEW RANGE REAR LIGHT F. R.	210 yards 115° from front light.			White diamond daymark with red vertical stripe on pole.		124	Visible 5° each side of centerline of channel. Private aid.	1929–1968
1520	LONGVIEW LOG POND LIGHT F. G.	In 25 feet 46 07.2 122 58.7			Platform on dolphin		13	Private aid.	1949

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON AND WASHINGTON									THIRTEENTH DISTRICT	
	COLUMBIA RIVER										
	CRIMS ISLAND TO ST. HELENS										
	MAIN CHANNEL										
	Slaughters Dike Daybeacon 20A ...	In 27 feet, at outer end of Dike No. 64.06, 150 feet outside channel limit.			....	....	TR on dolphin				
	Slaughters Channel Lighted Buoy 23. Fl. G., 4^s	In 33 feet, at turn in channel.			....	....	Black			Ra ref.	
	DIBBLEE DIKE LIGHT 22 .... Fl. R., 10^s (1^s fl)	In 31 feet, at outer end of Dike No. 64.50, 190 feet outside of channel.			....	....	TR on white platform on dolphin.		15	Higher intensity beam up and down channel.	1917–1961
	Slaughters Dike Daybeacon 24	In 26 feet, at outer end of Dike No. 64.88, 190 feet outside channel limit.			....	....	TR on dolphin				
	SLAUGHTERS DIKE LIGHT 26 ... Fl. R., 4^s	In 30 feet, at outer end of Dike No. 65.20, 515 feet outside channel limit.			....	....	TR on white platform on dolphin.		15	Higher intensity beam up and down channel.	1917–1961
	Slaughters Dike Daybeacon 26A	In 30 feet, at outer end of Dike No. 65.64, 515 feet outside channel limit.			....	...	TR on dolphin				
4	Longview Bridge Fog Signal	On Longview Bridge ..	46 06.3	122 57.8	....	....	Siren on northeast corner of south pier; bell on southeast corner of north pier.			SIREN: 2 blasts ev 12^s(2.5^sbl-3.5^ssi-2.5^sbl-3.5^ssi). BELL: 1 stroke ev 13^s. Private aid.	1930
5	LONGVIEW BRIDGE CHANNEL LIGHT 28. Fl. W., 4^s	On edge of protection pier.			....	....	TR on white box on dolphin		18		1930–1958
6	COTTONWOOD ISLAND LOWER RANGE FRONT LIGHT. Qk. Fl. W.	In 6 feet	46 05.0	122 53.8	....	....	KWR on pile structure		15	1,500 cp visible 4° each side of rangeline.	1909–1969
7	COTTONWOOD ISLAND LOWER RANGE REAR LIGHT. E. Int. W., 6^s	327 yards 115°50′ from front light.			....	....	KWR on skeleton tower		38	7,000 cp visible 4° each side of rangeline.	1937–1969
7.11	INTERNATIONAL PAPER DOCK LIGHTS. 2 F. R.	In 25 feet, on outer corners of dock.			....	....	Dolphin		15	Private aid.	1967
8	*Cottonwood Island Range Lighted Buoy 29.* Fl. W., 4^s	In 40 feet, 50 feet outside channel limit opposite Rainier Oregon.			 100	....	Black			Ra ref.	
	COWLITZ RIVER										
29	— ENTRANCE LIGHT 1.......... Fl. G., 4^s	In 2 feet, at outer end Dike No. 0.30	46 05.8	122 55.2	....	....	SW on dolphin		24		1946–1968
	— Channel Daybeacon 3	On outer end of Dike No. 0.49.	46 05.8	123 54.9	....	....	SW on pile				

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	CRIMS ISLAND TO ST. HELENS										
	COWLITZ RIVER										
	—Channel Daybeacon 5	On outer end of Dike No. 0.65.	46 05.9	123 54.7	....	....	SW on pile				
	—Channel Buoy 6	In 8 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 8	In 5 feet, marks turn in channel.	46 05.9	123 53.9	....	....	Red nun			Ra ref. Red reflector.	
	—Range A Front Daybeacon	In 3 feet	46 06.0	123 53.9	....	....	KWR on pile structure				
	—Range A Rear Daybeacon	On shore, 165 yards 079°18′ from front daybeacon.			....	....	KWR on skeleton tower				
	—Channel Buoy 10	In 6 feet, marks turn in channel.	46 06.0	123 57.7	....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 11	In 9 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 12	In 14 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 13	In 9 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 14	In 9 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 14A	In 8 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 15	In 13 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 16	In 7 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 18	In 8 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Range B Front Daybeacon	1.6 miles above RR bascule bridge.	46 07.2	123 55.1	....	....	KWR on pipe frame				
	—Range B Rear Daybeacon	50 yards 311° from front range.			....	....	KWR on pipe frame				
	—Channel Buoy 19	In 11 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 21	In 9 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 23	In 8 feet			....	....	Black can			Ra ref. White reflector.	
	—Channel Buoy 24	In 4 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 26	In 8 feet			....	....	Red nun			Ra ref. Red reflector.	
	—Channel Buoy 28	In 9 feet			....	....	Red nun			Ra ref. Red reflector.	
	CARROLLS CHANNEL										
1530	—LIGHT 2 Fl. R., 4^s	In 10 feet, on easterly end of Dike No. 68.35.	46 05.6	122 54.6	....	....	TR on dolphin		15		1930–1966

OREGON AND WASHINGTON

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	CRIMS ISLAND TO ST. HELENS								
	CARROLLS CHANNEL								
	— LIGHT 4 **Fl. W., 4^s**	In 15 feet, at easterly end of Dike No. 71.51, southerly of Cottonwood Island.				TR on dolphin	15		1924–1967
	MAIN CHANNEL								
.	COTTONWOOD ISLAND DIKE LIGHT 29A. **Fl. G., 4^s**	In 36 feet, at outer end of Dike No. 68.35.				SW on dolphin	17		1969
	COTTONWOOD ISLAND DIKE LIGHT 31. **Qk. Fl. G.**	In 12 feet, at outer end of Dike No. 68.79.				SW on dolphin	15		1958–1965
	COTTONWOOD ISLAND DIKE LIGHT 33. **Fl. W., 4^s**	In 20 feet, at outer end of Dike No. 69.25.		100		SW on dolphin	12	Green reflector.	1971
	Cottonwood Island Dike Daybeacon 33A.	In 33 feet, on outer end of Dike No. 69.51.				SW on pile			
	COTTONWOOD ISLAND LIGHT 35. **Fl. G., 4^s**	In 32 feet, at outer end of Dike No. 69.79.				SB on white platform on pile	15		1959–1961
	Cottonwood Island Turn Lighted Buoy 36. **Fl. R., 4^s**	In 40 feet, 66 yards outside channel limit.				Red.		Ra ref.	
	COTTONWOOD ISLAND DIKE LIGHT 37. **Fl. G., 4^s**	In 14 feet, at outer end of Dike No. 70.35.				SB on white platform on dolphin.	15		1931–1958
	COTTONWOOD ISLAND UPPER RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore 46 04.1	122 52.9			White rectangular daymark with vertical stripe on skeleton tower.	14	3,500 cp visible 4° each side of rangeline.	1909–1969
	COTTONWOOD ISLAND UPPER RANGE REAR LIGHT. **E. Int. W., 6^s**	337 yards 356°08′ from front light.				White rectangular daymark with vertical stripe on skeleton tower.	31	4,000 cp visible 4° each side of rangeline.	1937–1969
	COTTONWOOD ISLAND LIGHT 39 **Fl. G., 4^s**	In 32 feet, at outer end of Dike No. 70.77.				SB on white platform on pile	26		1950
	COTTONWOOD ISLAND LIGHT 41. **Qk. Fl. G.**	In 32 feet, at outer end of Dike No. 71.51.				SB on white platform on dolphin.	15		1960–1967
	COFFIN ROCK LIGHT 42 **Qk. Fl. W.**	On rock 46 02.1	122 52.8	100		TR on white square house	20		1885–1942
	KALAMA RIVER LIGHT 43 **Fl. G., 4^s**	In 14 feet, off mouth of river.				SW on white platform on dolphin.	18		1920–1970
	KALAMA LOWER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 3 feet, off Kalama. 46 00.5	122 50.8			KWR on pile structure	26	2,000 cp visible 2° each side of rangeline.	1920–1968
	KALAMA LOWER RANGE REAR LIGHT. **E. Int. R., 6^s**	441 yards 138° from front light.				KWR on skeleton tower	102	4,500 cp visible 2° each side of rangeline.	1920–1968
	KALAMA UPPER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 21 feet 45 58.6	122 50.3			KWR on pile structure	17	800 cp on rangeline with lower intensity elsewhere.	1919–1969
	KALAMA UPPER RANGE REAR LIGHT. **E. Int. W., 6^s**	On shore, 675 yards 163° from front light.				KWR on skeleton tower	45	2,500 cp visible 4° each side of rangeline.	1919–1969
.11	KALAMA DIKE LIGHT 47A **Fl. G., 4^s**	In 20 feet, at outer end of Dike No. 75.18.				SW on dolphin	32		1969
.13	KALAMA DIKE LIGHT 47B **Fl. W., 4^s**	In 20 feet, at outer end of Dike No. 75.45.		100		SW on dolphin	32		1969

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON AND WASHINGTON						THIRTEENTH DISTRICT	
	COLUMBIA RIVER							
	CRIMS ISLAND TO ST. HELENS							
	MAIN CHANNEL							
1548	AHLE POINT LIGHT 49 .... **Fl. W., 4^s**	In 24 feet, off point ..	 100	....	SB on white platform on dolphin.	26		1888–196
1549	HUNTER DIKE LIGHT 52 .... **Qk. Fl. W.**	In 10 feet, at outer end of Dike No. 75.46.	....	....	TR on white house on dolphin ..	22		1923–196
1550	HUNTER DIKE LIGHT 54 .... **Fl. R., 4^s**	In 26 feet, at outer end of Dike No. 76.58.	....	....	TR on white platform on dolphin.	15	Higher intensity beam u channel.	1923–196
1550.11	HUNTER DIKE LIGHT 54A .... **Qk. Fl. R.**	In 24 feet, at outer end of Dike No. 77.02.	....	....	TR on dolphin	32		196
1552	MARTIN ISLAND LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 36 feet, at outer end of Dike No. 79.35. 45 57.5 122 48.5	....	....	KRW on dolphin	17	900 cp on rangeline wit lower intensity else- where.	196
1552.11	MARTIN ISLAND LOWER RANGE REAR LIGHT. **E. Int. W., 6^s**	In 4 feet, 175 yards 138° from front light.	....	....	KRW on pile	30	2,000 cp visible 4° eac side of rangeline.	196
1553	*Bybee Ledge Lighted Buoy 59......* **Fl. G., 4^s**	In 40 feet, opposite Deer Island Point.	....	....	Black		Ra ref.	
1553.11	*Martin Island Bluff Lighted Buoy 60.* **Fl. R., 4^s**	In 36 feet 45 56.4 122 48.4	....	....	Red		Ra ref.	
1554	DEER ISLAND LOWER DIKE LIGHT 62. **Fl. W., 4^s**	In 16 feet, at outer end of Dike No. 79.14.	....	....	TR on white platform on dolphin.	15		1922–19
1556	MARTIN ISLAND DIKE LIGHT 63 .. **Fl. W., 4^s**	In 25 feet, at outer end of Dike No. 79.71.	....	....	SB on white platform on dolphin.	15		1919–19
1557	MARTIN ISLAND MIDDLE DIKE LIGHT 65. **Fl. G., 4^s**	In 36 feet, at outer end of Dike No. 80.31.	....	....	SB on white cylindrical house on dolphin.	15		1921–19
1558	MARTIN ISLAND UPPER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 23 feet, at outer end of Dike No. 80.73 45 56.3 122 48.1	....	....	KWR on pile structure	17	1,600 cp visible 4° ea side of rangeline wi lower intensity else where.	1922–19
1559	MARTIN ISLAND UPPER RANGE REAR LIGHT. **E. Int. W., 6^s**	In 16 feet, 167 yards, 011°10′ from front light.	....	....	KWR on pile structure	35	3,000 cp visible 4° ea side of rangeline.	1923–1
	Martin Island Dike Daybeacon 67 ...	In 21 feet, at outer end of Dike No. 80.73.	....	....	White square daymark on dolphin.		Green reflector.	
1560	BURKE DIKE LIGHT 69 .... **Qk. Fl. G.**	In 22 feet, at outer end of Dike No. 81.23.	....	....	SB on white platform on dolphin.	17		1938–19
1562	DEER ISLAND UPPER DIKE LIGHT 72. **Fl. R., 4^s**	In 25 feet, at outer end of Dike No. 82.08 near southern end of island.	....	....	TR on white house on dolphin ..	15	Higher intensity beam channel.	1923–1
1563	CAPLES DIKE LIGHT 73 .... **Fl. W., 4^s**	In 18 feet, at outer end of Dike No. 82.21, 0.7 mile northerly of Caples.	....	....	SB on white platform on dolphin.	15		1925–1
1563.11	SMALL CHEMICAL DOCK LIGHTS. **2 F. R.**	On northeast and southeast corners of dock. 45 54.8 122 48.8	5 100	11	Pole on dock	42	Private aid.	1

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	CRIMS ISLAND TO ST. HELENS										
	MAIN CHANNEL										
	Martin Island Channel Lighted Buoy 75. **Fl. G., 4^s**	In 40 feet	45 54.5	122 48.3	....	....	Black			Ra ref.	
	COLUMBIA CITY LIGHT 74 ...... **Qk. Fl. R.**	On shore			 350	....	TR on pump house		25	Higher intensity beam up and down channel. Obscured from 331° to 172°.	1959
	COLUMBIA CITY LIGHT 76 ...... **F. R.**	On bank, near wharf at Columbia City.			 450	....	TR on skeleton structure		31		1877–1961
	ST. HELENS RANGE FRONT LIGHT. **Qk. Fl . W.**	In 21 feet, on outer end of Dike No. 86.11 opposite St. Helens.	45 51.9	122 46.9	....	....	KWR on pile structure		15	900 cp on rangeline with lower intensity elsewhere.	1922–1967
	ST. HELENS RANGE REAR LIGHT. **E. Int. W., 6^s**	660 yards 151°30′ from front light.			....	....	KWR on skeleton tower		35	3,000 cp visible 4° each side of rangeline.	1926–1967
	ST. HELENS JETTY LOWER LIGHT 77. **Qk. Fl. G.**	In 13 feet, at outer end of Dike No. 84.65, off island.			....	....	SB on white platform on dolphin.		15		1919–1965
	St. Helens Junction Lighted Buoy .. **I. Qk. Fl. W.**	In 46 feet............	45 53.0	122 47.8	....	....	Red and black horizontal bands. .			Ra ref.	
	(For Multnomah Channel, see No. 2058)										
	ST. HELENS JETTY LIGHT 79 .. **Fl. G., 4^s**	In 25 feet, at outer end of Dike No. 85.75.	45 52.2	122 47.0	....	....	SB on white platform on pile structure.		22		1926–1965
	ST. HELENS DIKE LIGHT 80 .... **Fl. R., 4^s**	In 6 feet, at outer end of Dike No. 86.20.	45 51.8	122 47.3	....	....	TR on white conical house on on dolphin.		15		1942–1943
	ST. HELENS TO VANCOUVER										
	MAIN CHANNEL (Chart 6154)										
	WARRIOR ROCK LIGHT 2 .... **Fl. W., 4^s**	On Warrior Point Sauvie Island, 0.8 mile above St. Helens.	45 50.9	122 47.2	 200	....	TR on white pyramidal structure on stone pier.		28	BELL: 1 stroke ev 15^s. Not sounded from June 1 to Aug. 31.	1888–1889
	WARRIOR ROCK RANGE FRONT LIGHT. **Qk. Fl. W.**	In 2 feet	45 51.2	122 46.8	....	....	KWR on pile structure		22	900 cp on rangeline with lower intensity elsewhere.	1924–1969
	WARRIOR ROCK RANGE REAR LIGHT. **E. Int. W., 6^s**	167 yards 020° from front light.			....	....	KWR on skeleton tower		34	3,000 cp visible 4° each side of rangeline.	1924–1969
	(For Lewis River, see after No. 2064).										
	Warrior Rock Reef Lighted Buoy 4... **Fl. R., 4^s**	In 23 feet, southerly of Warrior Rock.			....	....	Red........................			Ra ref.	
11	DUCK CLUB LIGHT 4A .... **Fl. W., 4^s**	In 15 feet			5 100	9	TR on dolphin		17		1969
	DUCK CLUB LIGHT 6 .... **Qk. Fl. W.**	In 2 feet, off Sauvie Island.			 250	....	TR on white platform on pile structure.		22		1921–1958

COLUMBIA RIVER

ST. HELENS TO VANCOUVER

MAIN CHANNEL

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
1578	*Henrici Channel Lighted Buoy 7* .... Fl. G., 4^s	In 32 feet, 210 feet outside channel limit, off Bachelor Island.	....	....	Black			
1578. 11	DUCK CLUB LIGHT 8 .... Fl. W., 4^s	In 1 foot 45 49.0 122 47.9	5 100	9	TR on dolphin	17		196
1580	HENRICI RANGE FRONT LIGHT . Qk. Fl. W.	In 2 feet, on Sauvie island. 45 48.7 122 47.8	....	....	KWR on pile structure	17	900 cp on rangeline with lower intensity elsewhere.	1883–196
1581	HENRICI RANGE REAR LIGHT... E. Int. W., 6^s	285 yards, 328° from front light.	....	....	KWR on skeleton tower	37	3,000 cp visible 4° each side of rangeline.	1904–196
1582	HENRICI LANDING LIGHT 10 .... Fl. R., 4^s	In 30 feet, at outer end of Dike No. 90.14.	....	....	TR on white platform on dolphin.	17		1883–194
1583	HENRICI CROSSING LIGHT 12 ... Fl. W., 4^s	In 26 feet, at outer end of Dike No. 90.50.	....	....	TR on white platform on dolphin.	15		1921–195
1584	BACHELOR POINT LIGHT 13 .... Fl. W., 4^s	In 20 feet, at outer end of Dike No. 91.59, off point.	 100	....	SW on white platform on dolphin.	15		1926–196
1585	BACHELOR DIKE LIGHT 15 ..... Fl. G., 4^s	In 30 feet, at outer end of Dike No. 92.19, southerly of Bachelor Point.	....	....	SW on white platform on pile ...	15		1927–19
1586	FALES LIGHT 17 .... Qk. Fl. W.	In 12 feet	....	....	SW on white platform on pile structure.	22	Higher intensity beam down channel.	1922–19
1587	KNAPP POINT LIGHT 19 .... Fl. W., 4^s	In 12 feet, off point ..	 300	....	SW on white platform on pile	21		1916–19
1588	WILLOW LOWER RANGE FRONT LIGHT. Qk. Fl. W.	In 24 feet, at outer end of Dike No. 95.25. 45 44.5 122 45.4	....	....	KWR on tower on pile structure.	17	1,000 cp on range line lower intensity elsewhere.	1903–19
1589	WILLOW LOWER RANGE REAR LIGHT. E. Int. W., 6^s	280 yards 013°30′ from front light.	....	....	White diamond daymark with red vertical stripe on skeleton tower.	34	4,000 cp visible 4° eac side of rangeline.	1903–19
1590	WILLOW DIKE LIGHT 23 .... Fl. G., 4^s	In 30 feet, at outer end of Dike No. 95.85.	....	....	SW on white platform on dolphin.	15		1932–19
1591	WILLOW UPPER RANGE FRONT LIGHT. Qk. Fl. W.	In 1 foot, on north side of Dike No. 99.38. 45 41.0 122 46.6	....	....	KWR on pile structure. On same structure as Morgan Upper Range Front Light.	15	1,000 cp on rangeline Morgan Upper rangel with lower intensity elsewhere.	19
1592	WILLOW UPPER RANGE REAR LIGHT. E. Int. W., 6^s	On shore, 345 yards 193°30′ from front light.	....	....	KWR on skeleton tower	34	Visible 2° each side rangeline.	19
1593	WILLOW DIKE LIGHT 26 .... Fl. W., 4^s	In 18 feet, at outer end of Dike No. 96.56. 45 43.4 122 45.9	 100	....	TR on white platform on dolphin.	18		1919–19
1594	REEDER POINT LIGHT 28 .... Fl. W., 4^s	In 27 feet, at outer end of Dike No. 97.58.	....	....	TR on white platform on dolphin.	15		1888–19
1595	HUTCHINSON DIKE LIGHT 30 .... Fl. R., 4^s	In 37 feet, at outer end of Dike No. 98.26, northerly of Dairy Creek.	....	....	TR on white conical house on dolphin.	15		1941–1

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remark	Year
COLUMBIA RIVER									
ST. HELENS TO VANCOUVER									
MAIN CHANNEL									
MORGAN DIKE LIGHT 32 **Fl. W., 4^s**	In 10 feet, at outer end of Dike 98.92.			 100	....	TR on dolphin	15		1966
HEWLETT DIKE LIGHT 33 **Fl. W., 4^s**	In 9 feet, at outer end of Dike No. 99.23. northerly of Hewlett Point.			....	....	SW on white platform on dolphin.	9		1924–1968
MORGAN UPPER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 1 foot, on north side of Dike No. 99.38.	45 41.0	122 46.6	....	....	KWR on pile structure. On same structure as Willow Upper Range Front Light.	15	1,000 cp on rangeline and Willow Upper Rangeline with lower intensity elsewhere.	1914–1955
MORGAN UPPER RANGE REAR LIGHT. **E. Int. W., 6^s**	260 yards 341°31′ from front light.			....	....	KWR on skeleton tower	35	2,500 cp visible 4° each side of rangeline.	1914–1965
MORGAN DIKE LIGHT 36 **Fl. R., 4^s**	In 12 feet, at outer end of Dike No. 99.86.			....	....	TR on white conical house on dolphin.	19		1926–1955
MORGAN DIKE LIGHT 39 **Fl. W., 4^s**	In 4 feet, at outer end of Dike No. 100.61.			....	....	SW on white platform on dolphin.	15		1922–1960
MORGAN DIKE LIGHT 40 **Fl. R., 4^s**	In 33 feet, at outer end of Dike No. 100.74.			....	....	TR on white conical house on dolphin.	15		1926–1961
VANCOUVER TO BONNEVILLE									
MAIN CHANNEL (Charts 6155, 6156)									
VANCOUVER LOWER RANGE FRONT LIGHT. **Qk. Fl. R.**	On Belle Vue Point	45 39.5	122 45.9	....	....	KWR on skeleton tower	17	450 cp on rangeline with lower intensity elsewhere.	1925–1967
VANCOUVER LOWER RANGE REAR LIGHT. **E. Int. R., 6^s**	390 yards 308° from front light.			....	....	KWR on skeleton tower	44	1,100 cp visible 4° each side of rangeline.	1925–1967
KELLEY POINT JUNCTION LIGHT. **I. Qk. Fl. W.**	In 25 feet, at outer end of Dike No. 101.42, east side of entrance to Willamette River, off Kelley Point.	45 39.2	122 45.7	 160	....	JR on white platform on pile structure.	21	BELL: 1 stroke ev 15^s. Not sounded from June 1 to Aug. 31.	1921–1958
(For Willamette River, see No. 2065)									
Vancouver Channel Lighted Buoy 47 **Fl. W., 4^s**	In 34 feet, 75 feet outside channel limit. Marks turn in channel.			 120	....	Black		Ra ref.	
MATHEWS POINT EAST LIGHT **F. G.**	In 25 feet			....	....	Pile	34	Private aid.	1966
MATHEWS POINT WEST LIGHT **F. G.**	In 25 feet			....	....	Pile	34	Private aid.	1966
VANCOUVER UPPER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 14 feet, on north side of river.	45 38.4	122 42.7	....	....	KWR on pile structure	13	250 cp visible 4° each side of rangeline.	1940–1967
VANCOUVER UPPER RANGE REAR LIGHT. **E. Int. R., 6^s**	On shore, 665 yards 107°30′ from front light.			....	....	KWR on skeleton tower	42	600 cp visible 4° each side of rangeline.	1940–1967
VANCOUVER CHANNEL DIKE LIGHT 51. **Fl. W., 4^s**	In 14 feet, at outer end of Dike No. 103.81.			 200	....	SW on dolphin	24		1967

(1) No.	(2) Name / Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	VANCOUVER TO BONNEVILLE									
	MAIN CHANNEL									
1611	*Ryan Point Junction Lighted Buoy* I. Qk. Fl. W.	In 18 feet				Red and black horizontal bands.			Ra ref.	
1612	*Ryan Point Turn Lighted Buoy 3* Qk. Fl. W.	In 30 feet				Black			Ra ref.	
	NORTH PORTLAND HARBOR (Chart 6156)									
	—Buoy 1	In 12 feet, marks outer end of trestle.				Black can			White reflector.	
1614	—EAST END RANGE FRONT LIGHT. Qk. Fl. R.	In 1 foot 45 36.1	122 38.3			White square daymark with red vertical stripe on dike.		14	Red reflector.	1949–19
1615	—EAST END RANGE REAR LIGHT. E. Int. R., 6ˢ	70 yards 241° from front light.				White diamond daymark with red vertical stripe on tripod.		27	Red reflector.	1949–19
1616	—DIKE LIGHT Fl. R., 4ˢ	In 10 feet, at outer end of Dike No. 108.60. 45 36.2	122 38.0			TR on white platform on dolphin.		15		1955–19
	VANCOUVER TO BONNEVILLE									
1617	PORTLAND AIRPORT AERO LIGHT. Alt. Fl. W. & G., 10ˢ	On shore 45 35.1	122 36.1			Tower		98	Maintained by Port of Portland.	
1618	PORTLAND AIRPORT DIKE LIGHT. Fl. R., 4ˢ	In 19 feet, at outer end of Dike No. 110.28. 45 36.1	122 35.9			TR on white platform on dolphin.		15		1955–19
	Lemon Island Shoal Buoy 1	Position frequently shifted.				Black can			White reflector.	
	Lemon Island Shoal Buoy 2	Position frequently shifted.				Red nun			Red reflector.	
1620	*Lieser Point Channel Lighted Buoy 18.* Fl. R., 4ˢ	In 26 feet				Red			Ra ref.	
	MAIN CHANNEL									
	Goverment Island Buoy 1	In 16 feet				Black can			White reflector. Main tained from Apr. 1 Nov. 1.	
	Goverment Island Buoy 2	In 16 feet				Red nun			Red reflector. Mainta from Apr. 1 to Nov.	
1622	LIESER POINT CHANNEL LIGHT 23. Fl. W., 4ˢ	In 22 feet, opposite Sand Island.				SB on white platform on pile		16		1947–1
1624	GOVERNMENT ISLAND MIDDLE RANGE FRONT LIGHT. Qk. Fl. R.	In 7 feet 45 35.2	122 31.9			White square daymark with red vertical stripe on pile structure.		15	450 cp on range line lower intensity else where. Red reflect	
1625	GOVERNMENT ISLAND MIDDLE RANGE REAR LIGHT. E. Int. R., 6ˢ	In 15 feet, 233 yards 278° from front light near Dike No. 113.68.				White diamond daymark with red vertical stripe on pile structure.		29	900 cp visible 2° eac side of rangeline. Red reflector.	1

OREGON AND WASHINGTON

THIRTEENTH DISTRICT

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER								
VANCOUVER TO BONNEVILLE								
MAIN CHANNEL								
GOVERNMENT ISLAND LOWER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 15 feet 45 35.1	122 31.2	....	....	White square daymark with red vertical stripe on pile structure.	15	350 cp visible 2° each side of rangeline. Red reflector.	1956
GOVERNMENT ISLAND LOWER RANGE REAR LIGHT. **E. Int. R., 6^s**	In 4 feet 300 yards 123°30′ from front light.		....	....	White diamond daymark with red vertical stripe on pile structure.	37	600 cp visible 4° each side of rangeline. Red reflector.	1956
GOVERNMDNT ISLAND LIGHT 26. **Fl. W., 4^s**	In 7 feet, at outer end of Dike No. 114. 12		....	....	TR on white platform on dolphin.	15		1956
FISHER DOCK LIGHT 29 .... **F. W.**	In 9 feet		 2,000	....	SB on white platform on pile ...	15		1913–1958
FISHER QUARRY CHANNEL RANGE FRONT LIGHT. **Qk. Fl. G.**	In 10 feet........... 45 34.6	122 28.0	....	....	White square daymark with red vertical stripe on pile structure.	15	250 cp on range line with lower intensity elsewhere. White reflector.	1960
FISHER QUARRY CHANNEL RANGE REAR LIGHT. **E. Int. G., 6^s**	On shore, 267 yards 110°30′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.	30	450 cp visible 2° each side of rangeline. White reflector.	1960
CAMAS SLOUGH								
HASSALO ROCK LIGHT .... **F. W.**	In 5 feet, 185 yards north of rock.		 2,000	....	SW on white platform on dolphin.	15		1913–1958
Hassalo Rock Buoy 2..............	In 16 feet		....	....	Red nun		Red reflector.	1920–1949
CAMAS LIGHT .... **Fl. G., 4^s**	On rock, off west end of Lady Island.		....	....	SW on concrete pillar	21		
—RANGE FRONT LIGHT .... **Qk. Fl. W.**	In 5 feet, west of Lady Island. 45 34.5	122 26.1	....	....	White square daymark with red vertical stripe on dolphin.	15	White reflector.	1927–1965
— RANGE REAR LIGHT .... **E. Int. W., 6^s**	115 yards 113° from front light.		....	....	White diamond daymark with red vertical stripe on skeleton structure.	30	800 cp visible 15° each side of rangeline. White reflector.	1927–1960
VANCOUVER TO BONNEVILLE								
MAIN CHANNEL								
GOVERNMENT ISLAND RANGE FRONT LIGHT. **Qk. Fl. R.**	In 7 feet, off outer end of Dike No. 118.24. 45 33.9	122 26.8	....	....	White square daymark with red vertical stripe on tower on pile structure.	19	300 cp visible on rangeline only.	1941–1959
GOVERNMENT ISLAND RANGE REAR LIGHT. **E. Int. R., 6^s**	In 16 feet, 308 yards 126° from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower on pile structure..	36	600 cp visible 4° each side of rangeline. Red reflector.	1941
McGUIRE ISLAND MIDDLE DIKE LIGHT 34. **Fl. R., 4^s**	In 5 feet, off outer end of Dike No. 117.98.		....	....	TR on dolphin	18		1946–1967
GOVERNMENT ISLAND UPPER RANGE FRONT LIGHT. **Qk. Fl. R.**	On shore on Government Island. 45 34.2	122 27.7	....	....	White square daymark with red vertical stripe on skeleton tower.	20	200 cp visible 4° each side of rangeline. Red reflector.	1941–1958
GOVERNMENT ISLAND UPPER RANGE REAR LIGHT. **E. Int. R., 6^s**	167 yards 290°30′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.	32	250 cp visible 4° each side of rangeline. Red reflector.	1948–1958

OREGON AND WASHINGTON

THIRTEENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	VANCOUVER TO BONNEVILLE										
	MAIN CHANNEL										
1642	LADY ISLAND RANGE FRONT LIGHT. Qk. Fl. W.	In 9 feet, at eastern end of McGuire Island.	45 33.8	122 26.8	....	....	White square daymark with red vertical stripe on dolphin.		15	5,000 cp visible 4° each side of rangeline. White reflector.	1941–1956
1643	LADY ISLAND RANGE REAR LIGHT. E. Int. W., 6^s	580 yards 255°30′ from front light.			....	....	White diamond daymark with red vertical stripe on tower on dolphin.		45	7,000 cp visible 2° each side of rangeline. White reflector.	1941–1956
	McGuire Rock Buoy 2	In 13 feet			....	....	Red oil drum			Red reflector.	
1644	TROUTDALE LIGHT 40. F. R.	On shore, south side of river.			450	....	White skeleton tower		15	Red reflector.	1927–1951
	Ione Reef Buoy 1	In 13 feet, marks cluster of rocks.	45 34.0	122 24.8	....	....	Black can			White reflector.	
1645	LADY ISLAND UPPER LIGHT 43. Fl. W., 4^s	On southeast end of island.			....	....	SW on white house		13		1927–1934
1646	LADY ISLAND UPPER RANGE FRONT LIGHT. Qk. Fl. G.	In 1 foot, off east end of island.	45 34.4	122 23.9	....	....	White square daymark with red vertical stripe on tower.		12	Visible 4° each side of centerline of channel. Green reflector.	1949–1951
1647	LADY ISLAND UPPER RANGE REAR LIGHT. E. Int. G., 6^s	265 yards 261°30′ from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		25	Visible 4° each side of centerline of channel Green reflector.	1949–1951
	Lady Island Shoal Buoy 46	In 12 feet, marks outer edge of shoal.			....	....	Red nun			Ra ref. Red reflector.	
1648	PARKER LANDING LIGHT 49 F. G.	In 10 feet	45 34.6	122 22.6	400	....	SW on pole		34		1902–196
1649	WASHOUGAL LOWER RANGE FRONT LIGHT. Qk. Fl. W.	In 7 feet, 0.6 mile northerly of Gary Island.	45 34.1	122 20.6	....	....	White square daymark with red vertical stripe on pile structure.		10	900 cp on rangeline wit lower intensity elsewhere. White reflecto	195
1650	WASHOUGAL LOWER RANGE REAR LIGHT. E. Int. W., 6^s	440 yards 108° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		25	3,000 cp visible 4° eac side of rangeline. White reflector.	195
1651	WASHOUGAL LIGHT 50 Fl. R., 4^s	In 12 feet			....	....	White platform on dolphin		26	Red reflector.	1898–197
	Ough Reef Buoy 51	In 17 feet			....	....	Black can			Ra ref. White reflector.	
1652	WASHOUGAL UPPER RANGE FRONT LIGHT. Qk. Fl. W.	In 12 feet, at outer end of Dike No. 124.40.	45 33.1	122 20.3	....	....	White square daymark with red vertical stripe on pile structure.		9	900 cp on rangeline wit lower intensity elsewhere. White reflect	1949–19
1653	WASHOUGAL UPPER RANGE REAR LIGHT. E. Int. W., 6^s	In 2 feet, 365 yards 155° from front light.			....	....	White diamond daymark with red vertical stripe on pile structure.		39	3,000 cp visible 4° eac side of rangeline. White reflector.	194
1654	GARY ISLAND DIKE LIGHT 52 Fl. R., 4^s	In 21 feet, at outer end of Dike No. 123.68.			....	....	White platform on dolphin		16	Red reflector.	1946–19
1655	GARY ISLAND RANGE FRONT LIGHT 54. Qk. Fl. R.	In 12 feet, at outer end of Dike No. 124.06	45 33.4	122 20.6	....	....	White square daymark with red vertical stripe on skeleton tower on pile structure.		15	140 cp on range line wi lower intensity elsewhere. Red reflecto	19
1656	GARY ISLAND RANGE REAR LIGHT. E. Int. R., 6^s	In 16 feet, 250 yards 305°20′ from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower on pile structure.		28	200 cp on range line wi lower intensity elsewhere. Red reflecto	19

COLUMBIA RIVER

VANCOUVER TO BONNEVILLE

MAIN CHANNEL

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
REED ISLAND RANGE FRONT LIGHT. Qk. Fl. W.	In 14 feet, at outer end of Dike No. 124.76, off Flag Island. 45 32.9	122 20.0	....	....	White square daymark with red vertical stripe on tower on pile structure.		21	900 cp on rangeline with lower intensity elsewhere. White reflector.	1941–1949
REED ISLAND RANGE REAR LIGHT. E. Int. W., 6^s	In 11 feet, 833 yards 277°11′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower on pile structure.		43	3,000 cp visible 4° each side of rangeline. White reflector.	1949–1959
CORBETT DIKE LIGHT 60 ...... Fl. R., 4^s	In 6 feet, at outer end of Dike No. 125.66, west of Corbett Station.		....	....	TR on white conical house on dolphin.		16		1946–1955
CORBETT LIGHT 62 .... Fl. W., $5^s(1^s fl)$	On shore, near Corbett Station.		 1,800	....	TR on white platform on dolphin.		20		1923–1951
TUNNEL POINT LIGHT 64 ...... Fl. R., 4^s	On point 45 32.6	122 16.5	....	....	TR on skeleton tower		18	Higher intensity beam up and down channel.	1966
ROOSTER ROCK LIGHT .... E. Int. W., R. sector, 6^s	On shore 45 32.6	122 16.4	W 500 R 140	....	NR on skeleton tower		18	Light shows white from 232° to 247°, red from 247° to 262°.	1966
SAND ISLAND LIGHT 66 .... Fl. W., 4^s	In 10 feet 45 33.0	122 14.2	 100	....	TR on dolphin		18	Higher intensity beam up and down channel.	1966
CAPE HORN LIGHT 67 .... Fl. W., 4^s	On north side of river, opposite Sand Island.		....	....	SW on white house		28		1917–1920
CANDIANA LIGHT 69 .... Fl. W., 4^s	On shore, near Cape Horn.		....	...	SW on white house		28		1915–1935
FASHION REEF LOWER RANGE FRONT LIGHT 77. Qk. Fl. W.	In 5 feet, south of Fir Point. 45 35.2	122 07.9	....	....	KRB on pile structure		21	900 cp on rangeline with lower intensity elsewhere.	1949–1971
FASHION REEF LOWER RANGE REAR LIGHT. E. Int. W., 6^s	517 yards 076° from front light.		....	....	KRB on skeleton tower on pile structure.		43	3,000 cp visible 4° each side of rangeline.	1949–1971
CAPE HORN DIKE LIGHT 71 ..... Fl. G., 4^s	In 20 feet, at outer end of Dike No. 133.07.		....	....	SW on white cylindrical house on dolphin.		16		1941–1961
PRINDLE DIKE LIGHT 73 .... Fl. G., 4^s	In 5 feet, at outer end of Dike No. 133.95.		....	....	SW on white platform on dolphin.		15		1946–1947
FASHION REEF LIGHT 75 ...... Fl. W., 4^s	In 11 feet, at turn in channel.		....	....	SW on white cylindrical house on dolphin.		15		1915–1959
Fashion Reef Buoy 76.............	In 12 feet............		....	....	Red nun			Ra ref. Red reflector.	
MULTNOMAH FALLS BAR RANGE FRONT LIGHT. Qk. Fl. W.	In 20 feet 45 34.8	122 06.4	....	....	White square daymark with red vertical stripe on pile structure.		16	450 cp visible 15° each side of rangeline. White reflector.	1958
MULTNOMAH FALLS BAR RANGE REAR LIGHT. E. Int. W., 6^s	242 yards 098° from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.		32	1,200 cp visible 15° each side of rangeline. White reflector.	1958
Multnomah Falls Shoal Buoy 79	In 12 feet		....	....	Black can			Ra ref. White reflector.	
MULTNOMAH FALLS DIKE LIGHT 82. Fl. R., 4^s	In 10 feet, at outer end of Dike No. 136.54		....	....	TR on white platform on dolphin.		15		1941–1956

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER VANCOUVER TO BONNEVILLE MAIN CHANNEL								
1677	MULTNOMAH FALLS UPPER RANGE FRONT LIGHT **Qk. Fl. W.**	In 6 feet, northwesterly of McGowans. 45 36.8 122 02.0	....	....	White square daymark with red vertical stripe on pile structure. On same structure as Warrendale Lower Range Front Light.			3,000 cp on rangeline v lower intensity else- where. White reflect	1948–196
1678	MULTNOMAH FALLS UPPER RANGE REAR LIGHT. **E. Int. W., 6^{s}**	1,025 yards 056°58′ from front light.	....	....	White diamond daymark with red vertical stripe on skeleton tower.		45	7,000 cp visible 2° ea side of rangeline. White reflector.	1948–19
1679.11	SKAMANIA LIGHT 83 **Fl. W., 4^{s}**	In 3 feet, 0.6 mile southwesterly of Skamania. 45 36.4 122 03.2	100	....	SB on pile structure		6	Higher intensity beam and down channel.	1948–19
1681	WARRENDALE LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 6 feet, northwesterly of McGowans. 45 36.8 122 02.0	....	....	White square daymark with red vertical stripe on pile structure. On same structure as Multnomah Falls Upper Range Front Light.		16	3,000 cp on rangeline lower intensity else- where. Green reflec	1949–19
1682	WARRENDALE LOWER RANGE REAR LIGHT. **E. Int. W., 6^{s}**	650 yards 264° from front light.	....	....	White diamond daymark with vertical stripe on skeleton tower.		40	3,000 cp visible 4° ea side of rangeline. Green reflector. 19	
1683	McGOWANS LIGHT 88 **Fl. W., 4^{s}**	On point, 1 mile below Warrendale.	....	....	TR on pile structure		17		1934 –1
1684	WARRENDALE UPPER RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore, near Warrendale. 45 36.9 122 00.5	....	....	White square daymark with red vertical stripe on tower.		26	900 cp on rangeline wi lower intensity else where. White reflec	1950–1
1685	WARRENDALE UPPER RANGE REAR LIGHT. **E. Int. W., 6^{s}**	255 yards 244°30′ from front light.	....	....	White diamond daymark with red vertical stripe on skeleton tower.		46	3,000 cp visible 4° ea side of rangeline. White reflector.	1950–1
1686	MOFFETTS CREEK LIGHT 92 **Fl. R., 4^{s}**	On shore	....	....	TR on concrete slab		27		1
1687	TANNER CREEK LIGHT 94 **Fl. W., 4^{s}**	On shore 45 38.0 121 57.6	200	....	TR on concrete slab		23		1
1687.11	BONNEVILLE DAM MOORING DOLPHIN LIGHT A. **Fl. W., 4^{s}**	In 20 feet 45 38.6 121 57.1	....	....	Dolphin		15	Private aid.	1
	BONNEVILLE TO THE DALLES MAIN CHANNEL (Chart 6157)								
1688	BRADFORD SLOUGH LIGHT 2 **Fl. W., 4^{s}**	On south shore, 0.2 mile below Eagle Creek. 45 38.4 121 56.0	....	....	TR		15		1938–1
1689	BRADFORD ISLAND LIGHT 3 **Fl. G., 4^{s}**	In 14 feet, off southeast end of Bradford Island.	....	....	White platform on pile structure.		21	Green reflector.	1938–1
1690	BRADFORD SLOUGH ENTRANCE LIGHT 4. **Fl. R., 4^{s}**	On shore, 0.1 mile northerly of Eagle Creek.	....	....	TR		25		1938–1
	Bonneville Bam Buoys A, B, C, D, E.	In 15 to 80 feet. Marks restricted area.	....	....	White can with orange band near top and waterline, orange diamond with orange center cross, worded DAM.			Ra ref. White reflect	
1691	BOAT ROCK LIGHT 5 **Fl. W., 4^{s}**	On rock	....	....	SW		15		
1693	SHERIDAN POINT LIGHT 7 **Fl. W., 4^{s}**	On point	....	....	SW on skeleton tower		15		1938–

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
OREGON AND WASHINGTON									THIRTEENTH DISTRICT	
COLUMBIA RIVER										
BONNEVILLE TO THE DALLES										
MAIN CHANNEL										
CASCADE RAPIDS LOWER RANGE FRONT LIGHT 8. **Qk. Fl. W.**	On shore, 0. 2 mile below Bridge of the Gods.	45 39.5	121 53.9	....	....	White square daymark with red vertical stripe on skeleton tower.		20	900 cp on rangeline with lower intensity elsewhere. White reflector.	1938
CASCADE RAPIDS LOWER RANGE REAR LIGHT. **E. Int. W., 6ˢ**	65 yards 176°30′ from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		40	800 cp visible 15° each side of rangeline. White reflector.	1938–1947
Cascade Locks Lower Buoy 10......	In 58 feet, north of Bridge of the Gods.			....	....	Red nun			Red reflector.	
CASCADE RAPIDS UPPER RANGE FRONT LIGHT. **Qk. Fl. G.** **Qk. Fl. W.**	In 6 feet	45 41. 4	121 52. 9	....	....	White square daymark with red vertical stripe on pile structure.		22	500 cp visible on rangeline only. Passing light obscured on rangeline, visible wlsewhere.	1938–1960
CASCADE RAPIDS UPPER RANGE REAR LIGHT. **E. Int. G., 6ˢ**	430 yards 032° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		48	900 cp on rangeline with lower intensity elsewhere. White reflector.	1938–1960
CASCADE RAPIDS LIGHT 12 .... **Fl. R., 4ˢ**	At upper end of locks.			....	....	TR		15		1907–1946
Gold Dust Rock Buoy 14...........	In 35 feet, above Cascade Locks.			....	....	Red nun			Red reflector.	
STEVENSON LOWER RANGE FRONT LIGHT. **Qk. Fl. G.**	In 8 feet	45 40.8	121 53.8	....	....	White square daymark with red vertical stripe on pile structure.		22	1, 200 cp visible 2° each side of rangeline. Green reflector.	1938–1960
STEVENSON LOWER RANGE REAR LIGHT. **E. Int. G., 6ˢ**	In 3 feet, 955 yards 238°30′ from front light.			....	....	White diamond daymark with red vertical stripe on pile structure.		46	2, 500 cp visible 2° each side of rangeline. Green reflector.	1938–1960
Cascade Rapids Buoy 16...........	In 35 feet...........			....	....	Red nun			Red reflector.	
WIND MOUNTAIN LOWER RANGE FRONT LIGHT 17. **Qk. Fl. G.** **Qk. Fl. G.**	On rock	45 42. 1	121 50. 8	....	....	White square daymark with red vertical stripe on concrete piles.		22 24	4, 000 cp visible 2° each side of rangeline. Passing light visible around horizon. Green reflector.	1960
WIND MOUNTAIN LOWER RANGE REAR LIGHT. **E. Int. G., 6ˢ**	On shore, 840 yards 275° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		51	5, 000 cp visible 2° each side of rangeline. Green reflector.	1960
Government Cove Buoy 18..........	In 43 feet...........			....	....	Red nun			Red reflector.	
ANDERSON POINT LIGHT 22...... **Fl. R., 4ˢ**	On point.............			....	....	White house on concrete pillars..		15	Red reflector.	1938–1952
COLLINS POINT LIGHT 23...... **Fl. W., 4ˢ**	In 5 feet, off point...			....	....	White platform on dolphin......		15	Green reflector.	1938–1062
COOK LIGHT 25 .... **Fl. W., 4ˢ**	On shore, 2 miles below Cook, Washington.			....	....	TR		31		1935–1952
WIND MOUNTAIN UPPER RANGE FRONT LIGHT 26. **Qk. Fl. W.**	In 10 feet	45 41.6	121 41. 8	 300	....	White square daymark with red vertical stripe on pile structure.		26	3, 000 cp on rangeline with lower intensity elsewhere. White reflector.	1960
WIND MOUNTAIN UPPER RANGE REAR LIGHT. **E. Int. W., 6ˢ**	In 20 feet, 900 yards 095° from front light.			....	....	White diamond daymark with red vertical stripe on pile structure.		63	9, 000 cp visible 4° each side of rangeline. White reflector.	1960

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	BONNEVILLE TO THE DALLES									
	MAIN CHANNEL									
1708	COOK POINT RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore, near Cook Point.	45 42.5	121 39.6	....	....	White square daymark with red vertical stripe on rock face.	30	1,600 cp on range line lower intensity else-where. White reflect	19
1709	COOK POINT RANGE REAR LIGHT. **E. Int. W., 6^{s}**	On shore, 1,050 yards 068° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.	53	4,000 cp visible 4° eac side of rangeline. White reflector.	196
1710	VIENTO LIGHT 28 .... **Fl. W., 4^{s}**	In 10 feet			....	....	TR on white platform on pile ...	15		195
1711	LITTLE WHITE SALMON UPPER RANGE FRONT LIGHT 30. **Fl. W., 4^{s}** **Fl. W., 4^{s}**	On shore, near Mitchell Point.	45 42.4	121 36.6	....	....	White square daymark with red vertical stripe on rock face	27 29	3,000 cp visible 2° eac side of rangeline. Passing light visible around horizon. Whit reflector.	19
1712	LITTLE WHITE SALMON UPPER RANGE REAR LIGHT. **E. Int. W., 6^{s}**	On shore, 470 yards 086°30′ from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.	53	4,000 cp visible 4° eac side of rangeline. White reflector.	196
1713	*Mitchell Point Lighted Buoy 32*... **Fl. R., 4^{s}**	In 30 feet..........			....	....	Red		Ra ref.	
1714	*Underwood Lighted Buoy 34*...... **Fl. W., 4^{s}**	In 33 feet..........			 100	....	Red		Ra ref.	
1715	HOOD RIVER RANGE FRONT LIGHT 37. **Qk. Fl. G** **Qk. Fl. G.**	On shore..........	45 43.5	121 29.8	....	....	White square daymark with red vertical stripe on skeleton tower.	28 30	1,000 cp visible 2° ea side of rangeline. Passing light visible around horizon. Whi reflector.	196
1716	HOOD RIVER RANGE REAR LIGHT. **E. Int. G., 6^{s}**	On shore, 280 yards 092° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.	50	1,100 cp visible 2° eac side of rangeline. Wh reflector.	196
1717	HOOD POINT LIGHT 35 .... **Fl. W., 4^{s}**	On shore, below White Salmon.			....	....	SW	18		1934–193
1720	HOOD RIVER BOAT BASIN LIGHT 1. **Fl. G., 4^{s}**	In 20 feet, downstream breakwater.			....	....	SW on white platform on dolphin.	28		1962–196
	Hood River Boat Basin Buoy 2......	In 10 feet, marks downstream entrance.			....	....	Red nun		Red reflector.	
1720.11	HOOD RIVER WEST LIGHT ...... **F. R.**	....	45 42.8	121 29.8	....	....	....	20	Private aid.	19
1720.13	HOOD RIVER EAST LIGHT .... **F. R.**	....	45 42.8	121 29.8	....	....	... .	20	Private aid.	19
1721	*Bingen Lighted Buoy 39* .... **Fl. W., 4^{s}**	In 21 feet..........			....	....	Black		Ra ref.	
1722	BINGEN RANGE FRONT LIGHT .. **Qk. Fl. R.**	On shore...........	45 41.7	121 26.6	....	....	White square daymark with red vertical stripe on skeleton tower.	27 29	350 cp on rangeline wit lower intensity else-where.	19
1723	BINGEN RANGE REAR LIGHT ... **E. Int. R., 6^{s}**	On shore, 1,600 yards 123° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.	60	3,000 cp visible 2° eac side of rangeline. R reflector.	19
1724	BINGEN BOAT BASIN ENTRANCE LIGHT 3. **Fl. G., 4^{s}**	In 12 feet	45 42.2	121 27.2	....	....	SW on white platform on pile ...	27		19
1725	BINGEN BOAT BASIN ENTRANCE LIGHT 4. **Fl. W., 4^{s}**	In 12 feet			....	....	TR on white platform on pile ...	27		19
1726	WASCO LIGHT 42 .... **Fl. W., 4^{s}**	On rock off Eighteen-mile Island.			....	....	TR on white house on concrete pillar.	33		1934–195

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER									
BONNEVILLE TO THE DALLES									
MAIN CHANNEL									
MOSIER LOWER LIGHT 44 **Fl. W., 4^s**	In 10 feet, below Mosier, Oregon.		....	....	TR on white platform on dolphin.		34	Higher intensity beam up channel.	1960
EIGHTEENMILE RANGE FRONT LIGHT. **Qk. Fl. R.** **Qk. Fl. R.**	In 12 feet 45 41.3	121 24.2	....	....	White square daymark with red vertical stripe on pile structure.		22 24	3,000 cp visible 2° each side of rangeline. Passing light visible around horizon. Red reflector.	1960
EIGHTEENMILE RANGE REAR LIGHT. **E. Int. R., 6^s**	On shore, 1,030 yards 105°30′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.		61	3,500 cp visible 2° each side of rangeline. Red reflector.	1960
STRAIGHTS POINT LIGHT 45 **Fl. W., 4^s**	On shore		....	....	SW		29		1934
MEMALOOSE LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 8 feet 45 42.4	121 22.6	....	....	White square daymark with red vertical stripe on pile structure.		39	900 cp on rangeline with lower intensity elsewhere. White reflector.	1960
MEMALOOSE LOWER RANGE REAR LIGHT. **E. Int. W., 6^s**	On shore, 480 yards 273°30′ from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.		60	2,000 cp visible 2° each side of rangeline. White reflector.	1960
MOSIER UPPER LIGHT 48 **Fl. W., 4^s**	On shore		....	....	TR		14		1938
MEMALOOSE ISLAND NORTH LIGHT 50. **Fl. R., 4^s**	On north end of island		....	....	TR on white platform on concrete piles.		26		1960
Memaloose Channel Daybeacon 51.	On rock, north side of channel.		....	....	White square daymark on pole			Green reflector.	
MEMALOOSE ISLAND SOUTH LIGHT. **Fl. W., 4^s**	On soute side of island.		....	....	SW		18		1934–1949
MEMALOOSE CHANNEL LIGHT 53. **Qk. Fl. W.**	On rock		....	....	SW on white platform on concrete piles.		26		1960
KLICKITAT RIVER LIGHT 54. **Fl. R., 4^s**	On shore 45 41.7	121 18.3	....	....	TR		21		1938–1953
Klickitat River Buoy 55	In 60 feet		....	....	Black can			White reflector.	
ROWEN RANGE FRONT LIGHT 56. **Qk. Fl. W.** **Fl. R., 4^s**	On south side of river, opposite Lyle, Washington. 45 41.1	121 17.1	....	....	White square daymark with red vertical stripe on tower.		24 26	350 cp visible 4° each side of rangeline. Passing light visible around horizon. White and red reflectors.	1934–1949
ROWENA RANGE REAR LIGHT **Occ. W., 6^s(4^slt)**	1,190 yards 287° from front light.		....	....	White diamond daymark with red vertical stripe on skeleton tower.		75	2,000 cp visible 2° each side of rangeline. White reflector.	1938–1941
Rowena Lighted Buoy 58 **Fl. W., 4^s**	In 20 feet		 100	....	Red			Ra ref.	
SQUALLY POINT LIGHT 60 **Fl. R., 4^s**	On point		....	....	TR on concrete piles		22		1938
CRATES POINT LIGHT 62 **Fl. W., 4^s**	On point		....	....	TR		40		1935
KLINDT POINT LIGHT 64 **Fl. R., 4^s**	On point		....	....	TR on concrete crib		17		1935–1943
WEST DALLES LIGHT 66 **Fl. R., 4^s**	On shore		....	....	TR		20		1938
THE DALLES BOAT BASIN LIGHT. **Fl. R., 4^s**	Off end of breakwater at The Dalles, Oregon. 45 36.1	121 10.4	....	....	TR on white platform on dolphin.		15		1949

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	BONNEVILLE TO THE DALLES										
	MAIN CHANNEL										
1746	THREEMILE POINT LIGHT Fl. W., 4^{s}	On point 1½ miles east of Dallesport.					SW		20		1938
	Sturgeon Point Buoy 3	In 10 feet, east of Threemile Point. Marks rock ledge.	45 36.6	121 08.7			Black oil drum			White reflector.	
	THE DALLES TO JOHN DAY DAM	Mileage from mouth of Columbia River in statute miles.									
	MAIN CHANNEL (Lake Celilo)										
	(Chart 6158)										
	The Dalles Dam Buoy A, B, C, D.	Marks restricted area. In from 50 to 75 feet, at Mile 166.4.					White can with orange band near top and waterline, orange diamond with orange center cross worded DAM.			Ra ref. White reflecto	
1747	BIG EDDY LIGHT Fl. G., 4^{s}	On Washington shore, at Mile 193.1					SW		21		195
1748	FIVEMILE RAPIDS LIGHT Fl. W., 4^{s}	On Washington shore, at Mile 193.8.			100		SW on concrete pillars		21	Higher intensity beam u and down channel.	195
1749	FIVEMILE LOCK LIGHT Fl. R., 4^{s}	On Oregon shore, at Mile 194.4·			100		TR on concrete pillars		15	Higher intensity beam u and down channel.	195
	Memaloose Island Bouy 2	In 16 feet, at Mile 195.1.					Red oil drum			Red reflector.	
1750	MEMALOOSE ISLAND LIGHT Fl. G., 4^{s}	On island at Mile 195.5.					SW on concrete pillars		17		195
	Memaloose Island Buoy 4	In 20 feet, at Mile 196.1.					Red oil drum			Red reflector.	
1751	MILE 7 LIGHT Fl. W., 4^{s}	On Washington shore, at Mile 196.5.					SW on concrete pillars		23		195
	Browns Island Buoy 6	In 18 feet, at Mile 197.7.					Red oil drum			Red reflector.	
1752	*Avery Lighted Buoy 7* Fl. W., 4^{s}	In 25 feet, at Mile 197.9.					Black			White reflector.	
	Dillon Buoy 8	In 33 feet, at Mile 198.8.					Red oil drum			Red reflector.	
	Railroad Bridge Approach Buoy 10.	In 25 feet, at Mile 200.0.					Red oil drum			Red reflector.	
1753	HORSESHOE FALLS LIGHT Qk. Fl. R.	On concrete pier at Mile 200.6.					TR on concrete pillars		15		195
1754	CELILO LIGHT Fl. R., 4^{s}	On Oregon shore, at Mile 201.0.					TR on concrete pillars		15		195
1754.11	CELILO BOAT BASIN LIGHT Fl. W., 4^{s}	On shore	45 39.0	120 58.2	120		TR on house		17		196
1755	HELLS GATE RANGE 1 FRONT LIGHT. Qk. Fl. W.	On Miller Island, at Mile 204.2	45 39.3	120 54.2			White square daymark with red vertical stripe on skeleton tower.		48	300 cp on rangeline wit lower intensity elsew White reflector.	195
1756	HELLS GATE RANGE I REAR LIGHT. E. Int. W., 6^{s}	On Miller Island, 205 yards 093° from front light.					White diamond daymark with red vertical stripe on skeleton tower.		90	1,400 cp visible 4° eac side of rangeline. White reflector.	195
	Hells Gate Rapids Buoy 13	In 20 feet, at Mile 205.3.					Black oil drum			White reflector.	

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
OREGON AND WASHINGTON									THIRTEENTH DISTRICT	
COLUMBIA RIVER										
THE DALLES TO JOHN DAY DAM										
MILLER ISLAND										
—SOUTH CHANNEL RANGE I FRONT LIGHT. **Fl. G., 2ˢ**	On Washington shore, at Mile 202.2.	43 39.7	120 56.7	....	....	White square daymark with red vertical stripe on skeleton tower.		44	190 cp visible on rangeline only. Green reflector.	1957
—SOUTH CHANNEL RANGE 1 REAR LIGHT. **E. Int. G., 6ˢ**	On Washington shore, 220 yards 335° from light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		60	200 cp visible 4° each side of rangeline. Green reflector.	1957
— South Channel Buoy 2	In 22 feet, at Mile 202.8.			....	....	Red oil drum			Red reflector.	
—SOUTH CHANNEL RANGE B FRONT LIGHT. **Qk. Fl. W.**	On Oregon shore, at Mile 204.2.	45 38.3	120 53.9	....	....	White square daymark with red vertical stripe on skeleton tower.		42	900 cp on rangeline with lower intensity elsewhere. White reflector.	1957
—SOUTH CHANNEL RANGE B REAR LIGHT. **E. Int. W.**	On Oregon shore 235 yards 114° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		70	3,000 cp visible 4° each side of rangeline. White reflector.	1957
— South Channel Buoy 4	In 22 feet, at Mile 203.6.			....	....	Red oil drum			Red reflector.	
— South Channel Buoy 5	In 19 feet, off south shore of Miller Island, at Mile 204.3.			....	....	Black oil drum			White reflector.	
—SOUTH CHANNEL RANGE C FRONT LIGHT. **Qk. Fl. W.**	On Oregon shore at Mile 203.9.	45 38.1	120 54.7	....		White square daymark with red vertical stripe on skeleton tower.		40	900 cp visible on rangeline with lower intensity elsewhere. White reflector.	1957
—SOUTH CHANNEL RANGE C REAR LIGHT. **E. Int. W., 6ˢ**	On Oregon shore, 800 yards 228° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		110	3,000 cp visible 4° each side of rangeline. White reflector.	1957
MAIN CHANNEL										
BIGGS RAPIDS RANGE FRONT LIGHT. **Qk. Fl. W.**	On islet, at Mile 205.9.	45 39.7	120 52.4	....	....	White square daymark with red vertical stripe on skeleton tower.		40	900 cp on rangeline with lower intensity elsewhere. White reflector.	1957
BIGGS RAPIDS RANGE REAR LIGHT. **E. Int. W., 6ˢ**	On Miller Island, 500 yards 240° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		70	3,000 cp visible 4° each side of rangeline. White reflector.	1957
HELLS GATE RANGE B FRONT LIGHT. **Qk. Fl. R.**	On Oregon shore, at Mile 206.6.	45 39.7	120 51.3	....	....	White square daymark with red vertical stripe on skeleton tower.		48	300 cp on rangeline with lower intensity elsewhere. Red reflector.	1957–1964
HELLS GATE RANGE B REAR LIGHT. **E. Int. R., 6ˢ**	On Oregon shore, 410 yards 092°30′ from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		61	600 cp 4° each side of rangeline. Red reflector.	1957
Hells Gate Rapids Buoy 15	In 23 feet, at Mile 206.3.			....	....	Black oil drum			White reflector.	
Biggs Shoal Buoy 16..............	In 9 feet...........			....	....	Red nun......................			Ra ref. Red reflector.	
Maryhill-Biggs Bridge Approach Buoy 17.	In 23 feet			....	....	Black can			Ra ref. White reflector.	
Maryhill-Biggs Bridge Approach Buoy 18.	In 23 feet			....	....	Red nun......................			Ra ref. Red reflector.	
Maryhill-Biggs Bridge Approach Buoy 19.	In 24 feet			....	....	Black can			Ra ref. White reflector.	
Maryhill-Biggs Bridge Approach Buoy 20.	In 20 feet			....	....	Red nun......................			Ra ref. Red reflector.	
Maryhill-Biggs Bridge Approach Buoy 21.	In 24 feet			....	....	Black can			Ra ref. White reflector.	

OREGON AND WASHINGTON

THIRTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	THE DALLES TO JOHN DAY DAM										
	MAIN CHANNEL										
	Ferry Landing Buoy 22	In 23 feet, at Mile 210.2.			....	....	Red oil drum			Red reflector.	
1767	MARYHILL LIGHT **Fl. G., 4^s**	On Washington shore, at Mile 210.6.			....	....	SW		23		1957
	Rufus Buoy 24	In 19 feet, at Mile 211.8.			....	....	Red oil drum			Red reflector.	
	Preachers Eddy Buoy 25	In 22 feet, at Mile 213.7.			....	....	Black oil drum			White reflector.	
1768	PREACHERS EDDY LIGHT **Fl. R., 4^s**	On Oregon shore, at Mile 213.9.			100	....	TR		21		195
	Preachers Eddy Buoy 26	In 17 feet			....	....	Red oil drum			Red reflector.	
	Preachers Eddy Buoy 28	In 17 feet			....	....	Red oil drum			Red reflector.	
	Preachers Eddy Buoy 30	In 17 feet			....	....	Red oil drum			Red reflector.	
	Preachers Eddy Buoy 32	In 26 feet			....	....	Red oil drum			Red reflector.	
	Preachers Eddy Buoy 34	In 31 feet			....	....	Red oil drum			Red reflector.	
	JOHN DAY DAM TO McNARY DAM										
	MAIN CHANNEL										
	(Lake Umatilla) (Charts 6159, 6162)										
1769	JOHN DAY DAM LOWER BREAKWATER LIGHT 2. **Fl. R., 2.5^s**	On west end of breakwater, 1,700 feet below lock gate.			....	....	Pole		17	Private aid maintained by Engineers, U. S. Ar Walla, Walla. 1963	
1770	JOHN DAY DAM LOWER GUIDEWALL LIGHT 4. **F. R.**	On guide wall, 700 feet below lock gate.			....	....	Pole		27	Maintained by Corps of Engineers, U. S. Ar Walla, Walla. 196	
1770.11	JOHN DAY DAM LIGHT 5 **Fl. G., 2.5^s**	On rock pinnacle	45 43.4	120 41.3	120	...	SW on platform on pile		20		196
1771.11	*John Day Dam Lighted Buoy 6* **Fl. W., 4^s**	In 35 feet. Marks restricted area.	45 43.4	120 41.2	100	....	Red			Ra ref.	
	John Day Dam Buoys A, B, C	In 131 to 152 feet. Mark restricted area.			....	....	White can with orange band near top and waterline, orange diamond with orange center cross, worded DAM.			Ra ref. White reflector.	
1772.11	JOHN DAY RIVER LIGHT 8 **Fl. R., 4^s**	On shore at Mile 218.0.	45 44.2	120 38.7	....	....	TR on skeleton tower	12	47		196
1773.11	TOWAL LIGHT 9 **Fl. W., 4^s**	On shore, at Mile 219.0.	45 45.1	120 37.6	100	....	SW on skeleton tower	15	27		196
1773.13	SQUALLY LIGHT 10 **Fl. W., 2.5^s**	On shore	45 44.2	120 34.4	5 110	....	TR on platform		61		196
1774.11	SQUALLY LIGHT 12 **Fl. R., 4^s**	On shore at Mile 222.9.	45 44.0	120 33.8	....	....	TR on skeleton tower		71		196
1776.11	GOODNOE ROCKS LIGHT 14 **Fl. R., 4^s**	In 12 feet, at Mile 226.0	45 42.5	120 31.3	....	....	TR on pile		15		196
1777.11	GOODNOE ROCKS LIGHT 15 **Fl. W., 4^s**	In 1 foot, at Mile 226.5.	45 42.3	120 30.1	100	....	SW on skeleton tower		22		196
1778.11	GOODNOE ROCKS LIGHT 16 **Fl. R., 4^s**	In 22 feet at Mile 226.7	45 41.8	120 30.2	....	....	TR on pile		15		196

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OREGON AND WASHINGTON								THIRTEENTH DISTRICT	
	COLUMBIA RIVER									
	JOHN DAY DAM TO McNARY DAM									
	MAIN CHANNEL									
1	ROCK CREEK LIGHT 18 Fl. W., 4^s	In 5 feet, at Mile 229.0 45 41.5	120 27.8	100		TR on pile		15		1968
1	ROCK CREEK LIGHT 19 Fl. W., 4^s	On shore at Mile 229.2. 45 42.2	120 27.7	100		SW on skeleton tower	16	55		1968
11	ROCK CREEK LIGHT 21 Fl. W., 4^s	On shore, at Mile 230.0. 45 42.1	120 26.4	100		SW on pile		15		1968
11	FOUR O'CLOCK LIGHT 23 Fl. G., 4^s	On shore, at Mile 232.5. 45 42.4	120 23.2			SW on skeleton tower	16	21		1968
11	SUNDALE LIGHT 25 Fl. G., 4^s	On shore, at Mile 235.0. 45 42.8	120 20.3			SW on skeleton tower	14	69		1968
11	OLD LADY CANYON LIGHT 26 Fl. W., 4^s	On shore, at Mile 237.5. 45 43.0	120 17.0	100		TR on skeleton tower	12	35		1968
09	ARLINGTON CARGILL LIGHT F. R.	On shore, at Mile 241.7. 45 43.5	120 12.1			Loading tower of grain elevator.			Private aid.	1967
11	ARLINGTON LIGHT 28 Fl. W., 2.5^s	On shore, at Mile 241.8. 45 43.4	120 12.5	110		TR on skeleton tower	12	41	Higher intensity beam up and down channel.	1968–1971
11	ROOSEVELT LIGHT 29 Fl. G., 4^s	In 25 feet, at Mile 242.0 45 44.2	120 12.0			SW on platform on pile		15		1968–1969
.11	ROOSEVELT LIGHT 30 Fl. R., 4^s	On shore at Mile 45 45.3	120 10.1			TR on skeleton tower		37		1968
.11	ROOSEVELT LIGHT 31 Fl. W., 4^s	On shore 45 45.3	120 11.3	100		SW on skeleton tower		31	Higher intensity beam up channel.	1968–1969
.11	MOONAX LIGHT 33 Fl. G., 4^s	On shore 45 47.3	120 05.4	110		SW on skeleton tower		34		1968–1969
.11	HEPPNER LIGHT 36 Fl. W., 4^s	On shore at Mile 252.3. 45 47.6	120 01.9	100		TR on skeleton tower		25		1968
.11	McCREDIE LIGHT 39 Fl. W., 4^s	On shore, at Mile 254.3. 45 49.0	119 59.7	100		SW on skeleton tower	18	29		1968
.11	THANKSGIVING ISLAND LIGHT 40. Fl. R., 4^s	In 8 feet, at Mile 255.4. 45 49.1	119 58.0			TR on pile		15		1968
.11	ALDERDALE LIGHT 43 Fl. W., 4^s	In 40 feet, at Mile 257.4 45 49.8	119 56.2	100		SW on dolphin		15		1968
.11	ALDERDALE LIGHT 44 Fl. R., 4^s	In 25 feet, at Mile 257.5. 45 49.5	119 55.8			TR on dolphin		15		1968
1.11	CROW BUTTE LIGHT 47 Fl. G., 4^s	In 25 feet, at Mile 261.2. 45 50.6	119 51.6			SW on dolphin		15		1968
2.11	CASTLE ROCK LIGHT 48 Fl. R., 4^s	In 30 feet, at Mile 261.2. 45 50.2	119 51.2			TR on platform on pile		15		1968–1969
4.11	CASTLE ROCK LIGHT 50 Fl. R., 2.5^s	In 23 feet, at Mile 263.7. 45 50.7	119 48.9			TR on dolphin		15		1968

OREGON AND WASHINGTON

THIRTEENTH DISTRICT

COLUMBIA RIVER

JOHN DAY DAM TO McNARY DAM

MAIN CHANNEL

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
1805.11	CROW BUTTE LIGHT 51 Fl. W., 4^s	On shore, at Mile 263.7.	45 51.1	119 48.5	... 100		SW on skeleton tower	15	55		1968
1806.11	WHITCOMB LIGHT 52 Fl. R., 4^s	In 25 feet, at Mile 265.0.	45 50.8	119 48.5	...	...	TR on dolphin		15		1968–1969
1807.11	WHITCOMB LIGHT 53 Fl. G., 4^s	In 2 feet, at Mile 265.5.	45 51.2	119 45.5	...	...	SW on dolphin		15		1968
1808.11	MESSNER LOWER RANGE FRONT LIGHT. Qk. Fl. W.	On shore, at Mile 269.3.	45 51.0	119 41.7	...	...	KWR on skeleton tower	4	18	3,000 cp visible 4° each side of rangeline.	1968
1808.12	MESSNER LOWER RANGE REAR LIGHT. E. Int. W., 6^s	167 yards 86°47′ from front light.			...	...	KWR on skeleton tower	36	43	5,000 cp visible 4° each side of rangeline.	1968
1810.11	MESSNER LIGHT 55 Fl. G., 2.5^s	In 26 feet, at Mile 268.8.	45 51.1	119 43.0	...	...	SW on dolphin		15		1968
1811.11	MESSNER MIDDLE RANGE FRONT LIGHT. Qk. Fl. W.	On shore, at Mile 271.4.	45 51.6	119 39.5	... 300	...	KWR on pile structure	14	29	3,000 cp on rangeline with lower intensity elsewhere.	1968
1811.12	MESSNER MIDDLE RANGE REAR LIGHT. E. Int. W., 6^s	On shore, 185 yards 75°09′ from front light.			...	...	KWR on skeleton tower	17	47	5,000 cp visible 4° each side of rangeline.	1968
1813.11	MESSNER LIGHT 56 Fl. R., 4^s	In 8 feet, at Mile 270.0.	45 51.2	119 41.4	...	...	TR on dolphin		15		1968
1814.11	MESSNER LIGHT 57 Fl. G., 2.5^s	In 3 feet, at Mile 271.0.	45 51.5	119 40.4	...	...	SW on dolphin		15		1968
1815.11	MESSNER UPPER RANGE FRONT LIGHT. Qk. Fl. W.	In 11 feet, at Mile 271.0.	45 51.3	119 39.9	...	...	KWR on pile structure		14	3,000 cp visible 4° each side of rangeline.	1968
1815.12	MESSNER UPPER RANGE REAR LIGHT. E. Int. W., 6^s	In 1 foot, 300 yards 210°16′ from from light.			...	...	KWR on skeleton tower	37	43	5,000 cp visible 4° each side of rangeline.	1968
1818.11	MESSNER LIGHT 59 Fl. G., 4^s	In 24 feet, at Mile 272.0.	45 52.4	119 39.1	...	...	SW on dolphin		15		1968
1819.11	BLALOCK LIGHT 61 Fl. G., 4^s	In 2 feet, at Mile 273.8.	45 53.4	119 38.4	...	...	SW on pile		15		1968
1820.11	BLALOCK LIGHT 62 Fl. R., 4^s	On shore, at Mile 274.0.	45 53.7	119 37.5	...	...	TR on pole	8	19		1968
1821.11	PATERSON LIGHT 63 Fl. W., 4^s	In 15 feet, at Mile 275.2.	45 54.9	119 36.7	... 100	...	SW on dolphin		15		1968
1822.11	PATERSON LIGHT 65 Qk. Fl. W.	In 21 feet, at Mile 277.0.	45 55.4	119 35.7	...	...	SW on dolphin		15		1968
1823.11	PATERSON LIGHT 67 Fl. G., 4^s	In 7 feet, at Mile 277.2.	45 55.5	119 35.1	...	...	SW on pile		15		1968

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	JOHN DAY DAM TO McNARY DAM									
	MAIN CHANNEL									
.	IRRIGON LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore, at Mile 281.0.	45 54.2	119 30.8	....	....	KWR on skeleton tower 17	34	3,000 cp visible 4° each side of rangeline.	1968
2	IRRIGON LOWER RANGE REAR LIGHT. **E. Int. W., 6ˢ**	On shore, 633 yards 116°11′ from front light.			....	....	KWR on skeleton tower 35	50	5,000 cp visible 4° each side of rangeline.	1968
1	IRRIGON LIGHT 68 .... **Fl. R., 4ˢ**	On shore, at Mile 278.0.	45 55.2	119 34.1	....	....	TR on skeleton tower 25	48		1968
1	IRRIGON LIGHT 69 .... **Fl. G., 4ˢ**	In 17 feet, at Mile 280.0.	45 54.8	119 32.3	....	....	SW on dolphin	16		1968
1	IRRIGON LIGHT 71 .... **Fl. G., 2.5ˢ**	In 8 feet, at Mile 281.0.	45 54.0	119 30.4	....	....	SW on dolphin	17		1968
1	IRRIGON MIDDLE RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore, at Mile 285.0	45 55.3	119 26.5	160	....	KWR on skeleton tower 30	36	1,600 cp on rangeline with lower intensity elsewhere.	1968
12	IRRIGON MIDDLE RANGE REAR LIGHT. **E. Int. W., 6ˢ**	On shore, 317 yards, 63°10′ from front light.			....	....	KWR on skeleton tower 17	64	5,000 cp visible 4° each side of rangeline.	1968
11	IRRIGON LIGHT 72 .... **Fl. W., 4ˢ**	In 10 feet, at Mile 281.5.	45 54.3	119 28.9	100	....	TR on dolphin	17		1968
11	IRRIGON LIGHT 74 .... **Fl. R., 4ˢ**	In 17 feet, at Mile 282.5.	45 54.8	119 27.9	....	....	TR on dolphin	18		1968
11	IRRIGON UPPER RANGE FRONT LIGHT. **Qk. Fl. G.**	On shore at Mile 284.0.	45 55.2	119 27.4	....	....	KWR on skeleton tower 43	45	700 cp on rangeline with lower intensity elsewhere.	1968
12	IRRIGON UPPER RANGE REAR LIGHT. **E. Int. G., 6ˢ**	On shore, 660 yards 267°20′ from front light.			....	....	KWR on skeleton tower 13	68	2,500 cp visible 4° each side of rangeline.	1968
	Devils Bend Rapids Buoy 74A	In 27 feet			....	....	Red nun		Ra ref. Red reflector.	1968
11	UMATILLA LIGHT 76 .... **Fl. R., 4ˢ**	In 12 feet, at Mile 287.0.	45 55.0	119 23.6	....	....	TR on dolphin	22		1968
.11	PLYMOUTH LIGHT 77 .... **Fl. G., 4ˢ**	On shore, at Mile 288.6.	45 55.6	119 21.7	....	....	SW on pile 13	23		1968
.11	McNARY RANGE FRONT LIGHT .. **Qk. Fl. R.**	On shore, at Mile 294.0.	45 56.4	119 18.6	....	....	KWR on skeleton tower 16	36	600 cp visible 4° each side of rangeline.	1968
.12	McNARY RANGE REAR LIGHT ... **E. Int. R., 6ˢ**	On shore, 433 yards 57°03′ from front light.			....	....	KWR on skeleton tower 16	63	1,200 cp visible 4° each side of rangeline.	1968
	McNARY DAM TO RICHLAND	Mileage from the Dalles-Celilo Canal in statute miles.								
	(Lake Wallula)									
	MAIN CHANNEL (Charts 6163, 6164)									
	McNary Boat Ramp Buoys 1, 2, 3, 4, 5, 6, 7, 8.	In 11 to 28 feet......			....	....	Odd numbered, black can; even numbered, red nun.		Private aids.	
0	*McNary Dam Lighted Buoy 2A*...... **Fl. W., 4ˢ**	In 90 feet, at Mile 91.4.			....	....	Red.........................		White reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER McNARY DAM TO RICHLAND (Lake Wallula) MAIN CHANNEL								
	McNary Dam Buoy B, C, D, E, F	Marks restricted area. In from 42 to 80 feet, at Mile 91.4 to Mile 91.1.				White can with orange band near top and waterline, orange diamond with orange center cross, worded DAM.		White reflector.	
1911	McNARY DAM UPPER ENTRANCE LIGHT. Fl. G., 4^s	On shore, at Mile 91.8.				SW on white house	11		1953
1912	HAT ROCK LIGHT Fl. W., 4^s	On shore, at Mile 97.5.				TR on white house	17	Higher intensity beam down channel.	1953
1913	BEOVERT LIGHT Fl. W., 4^s	On shore, at Mile 100.6.		100		SW on white house	34		1953
	Beovert Daybeacon 1	Southwest end of island, at Mile 102.7.				White square daymark on pole			
	Beovert Daybeacon 3	Northeast end of island, at Mile 103.0.				White square daymark on pole			
1914	JUNIPER LIGHT Fl. W., 4^s	On shore, at Mile 105.2.		100		SW on white house	29		1953
1915	BULL RUN LIGHT Fl. R., 4^s	On shore, at Mile 107.3.				TR on white house	21		1953
	Port Kelley Range A Front Daybeacon.	On shore, at Mile 110.7.				White square daymark with red vertical stripe on skeleton tower.		White reflector.	
	Port Kelley Range A Rear Daybeacon.	235 yards 075°30′ front daybeacon.				White diamond daymark with red vertical stripe on skeleton tower.		White reflector.	
	Port Kelley Range B Front Daybeacon.	On shore, at Mile 110.6.				White square daymark with red vertical stripe on skeleton tower.		White reflector.	
	Port Kelley Range B Rear Daybeacon.	215 yards 169° from front daybeacon.				White diamond daymark with red vertical stripe on skeleton tower.		White reflector.	
	Boise Cascade Kraft Test Buoy D	46 01.3	118 56.6			Orange and white bands; barrel		Private aid.	
1916	WALLA WALLA RIVER LIGHT Fl. W., 4^s	On shore, at Mile 111.8.		100		TR on white house	22		1953
	Boise Cascade Kraft Test Buoy C.	46 03.3	118 56.0			Orange and white bands; barrel.		Private aid.	
	Walla Walla River Buoy 4	In 35 feet, at Mile 112.9.				Red oil drum		Red reflector.	
1917	HOVER LIGHT Fl. W., 4^s	On shore, at Mile 114.4.		100		SW on white house on crib	16		1953
	Hover Buoy 1	In 34 feet at Mile				Black can		Ra ref. White reflector.	
	Boise Cascade Kraft Test Buoy B	46 05.8	118 07.4			Orange and white bands; barrel		Private aid.	
	Hover Shoal Buoy 2A	In 33 feet at Mile 114.5.				Red oil drum		Red reflector.	
	Casey Buoy 2	In 32 feet, at Mile 117.6.				Red nun		Red reflector. Ra ref.	
	West Channel Junction Buoy	In 20 feet				Red and black horizontal bands; nun.		Ra ref.	
	Homly Buoy 4	In 31 feet, at Mile 118.4.				Red nun		Red reflector. Ra ref.	
	Homly Buoy 6	In 30 feet, at Mile 119.1.				Red nun		Red reflector. Ra ref.	
	Homly Buoy 8	In 28 feet, at Mile 120.1.				Red nun		Red reflector. Ra ref.	

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER										
McNARY DAM TO RICHLAND										
(Lake Wallula)										
MAIN CHANNEL										
Homly Buoy 10	In 28 feet, at Mile 120.6.			....	....	Red nun			Red reflector. Ra ref.	
Homly Buoy 11	In 25 feet, at Mile 120.7.			....	....	Black oil drum			White reflector.	
FOUNDATION ISLAND LIGHT **Fl. W., 4^s**	On southerly end of of island.	46 09.9	118 59.7	5 100	11	TR on skeleton tower		40	Higher intensity beam down channel.	1968
WEST CHANNEL										
— Buoy 1	In 30 feet, at Mile 116.6.			....	....	Black can			White reflector. Ra ref.	
— Buoy 3	In 30 feet, at Mile 117.4.			....	....	Black can			Ra ref. White reflector.	
— Shoal Buoy 4	In 20 feet at Mile 118.2			....	....	Red oil drum			Red reflector.	
Boise Cascade Kraft Test Buoy A.	....	46 07.1	118 58.3	....	....	Orange and white bands; barrel			Private aid.	
— Buoy 5	In 25 feet, at Mile 118.9.			....	....	Black can			White reflector. Ra ref.	
— RANGE 1 FRONT LIGHT **Qk. Fl. G.**	On shore, at Mile 119.5.			....	....	Red diamond daymark with white vertical stripe on skeleton tower.		24	500 cp visible 4° each side of rangeline. White reflector.	1956
— RANGE 1 REAR LIGHT **E. Int. G., 6^s**	300 yards 309° from front light.			....	....	Red diamond daymark with white vertical stripe on skeleton tower.		38	1,200 cp visible 4° each side of rangeline. White reflector.	1956
— RANGE 2 FRONT LIGHT **Qk. Fl. W.**	On shore, at Mile 118.2.			....	....	Red quare daymark with white vertical stripe on skeleton tower.		29	800 cp visible 4° each side of rangeline. White reflector.	1956
— RANGE 2 REAR LIGHT **E. Int. W., 6^s**	300 yards 164° from front light.			....	....	Red diamond daymark with white vertical stripe on skeleton tower.		51	1,400 cp visible 4° each side of rangeline. White reflector.	1956
PHILLIPS PACIFIC CHEMICAL COMPANY LIGHT. **F. G.**	On shore, at Mile 120.2.			 250	....	Pole		15	Private aid.	1957
MAIN CHANNEL										
JUNCTION LIGHT **Fl. W., 4^s**	On shore, at Mile 123.4.			 100	....	White square daymark on white house on crib.		15	Green reflector.	1953
Snake River Entrance Buoy 2	In 20 feet, at Mile 123.6.			....	....	Red nun			Red reflector. Ra ref.	
SACAJAWEA LIGHT **I. Qk. Fl. W.**	On shore, at Mile 123.9.			....	....	JB on skeleton tower		14		1953–1959
Pasco Buoy 2	In 20 feet, at Mile 124.8.			....	....	Red oil drum			Red reflector.	
Pasco Buoy 4	In 20 feet, at Mile 125.9.			....	....	Red oil drum			Red reflector.	
Clover Island Buoy 1	In 18 feet, at Mile 128.2.			....	....	Black oil drum			White reflector.	
Kennewick Buoy 2	In 22 feet, at Mile 130.2.			....	....	Red oil drum			Red reflector.	
Kennewick Buoy 3	In 10 feet			....	....	Black oil drum			White reflector.	
Vista Buoy 2	In 22 feet, at Mile 131.7.			....	....	Red oil drum			Red reflector.	
VISTA LIGHT **Fl. G. 4^s**	On shore, at Mile 132.4.			....	....	SW on white house		17		1953
Vista Buoy 4	In 17 feet, at Mile 132.7.			....	....	Red oil drum			Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER (Lake Wallula) McNARY DAM TO RICHLAND MAIN CHANNEL							
	Vista Buoy 5	In 17 feet, at Mile 133.5.			Black oil drum		White reflector.	
	Richland Buoy 1	In 18 feet, at Mile 134.3.			Black oil drum		White reflector.	
1926	YAKIMA RIVER LIGHT Fl. W., 4^s	On shore, at Mile 134.8.			SW on white house	25		1954
	Richland Buoy 2	In 20 feet, at Mile 136.1.			Red oil drum		Red reflector.	
1927	RICHLAND LIGHT Fl. W., 4^s	On shore, at Mile 136.9.			SW on white house	23		1953
1927.11	RICHLAND WATER INTAKE LIGHT. 2 F. G.	Mark outer end of intake at Mile 138.			White house	38	Private aids.	1965
	SNAKE RIVER (Chart 682 SC)	Mileage from mouth of Snake River in statute miles.						
1928	MILE 1 RANGE FRONT LIGHT Qk. Fl. W.	On north shore, at Mile 1.2.			White square daymark with red vertical stripe on tower.	26	300 cp on rangeline with lower intensity elsewhere.	1958
1929	MILE 1 RANGE REAR LIGHT E. Int. W., 6^s	On shore, 393 yards 345° from front light.			White diamond daymark with red vertical stripe on tower.	43	120 cp visible on rangeline only.	1958
	— Buoy 3	In 12 feet at Mile 3.0			Black can		Ra ref. white reflector.	
1930	MILE 4 RANGE FRONT LIGHT Qk. Fl. R.	On south shore 46 13.6 118 59.5			KWR on tower	44	300 cp on rangeline with lower intensity elsewhere.	1958–1970
1931	MILE 4 RANGE REAR LIGHT E. Int. R., 6^s	On shore, 92 yards 066°35′ from front light.			KWR on platform	52	600 cp visible 4° each side of rangeline.	1958–1970
1932	MILE 5 RANGE FRONT LIGHT Qk. Fl. G.	On north shore, at Mile 5.2.			KWR on tower	97	Visible 4° each side of rangeline.	1958–1961
1933	MILE 5 RANGE REAR LIGHT E. Int. G., 6^s	On shore, 270 yards 043° from front light.			KWR on tower	128	170 cp visible 4° each side of rangeline.	1958–1961
	— Buoy 3A	In 15 feet, marks turn in channel.			Black oil drum		White reflector.	
	— Buoy 5	In 12 feet, at Mile 5.3.			Black oil drum		White reflector.	
	— Buoy 6	In 17 feet 46 14.3 118 58.0			Red oil drum		Red reflector.	
1934	MILE 6 RANGE FRONT LIGHT Qk. Fl. W.	On north shore, at Mile 5.8.	300		White square daymark with red vertical stripe on tower.	26		1958–1961
1935	MILE 6 RANGE REAR LIGHT E. Int. W., 6^s	On shore, 679 yards 064° from front light.			White diamond daymark with red vertical stripe on tower.	45	500 cp visible 4° each side of rangeline.	1958–1961
	— Buoy 8	In 16 feet			Red oil drum		Red reflector.	
1936	—LIGHT 9 Fl. G., 4^s	On north shore, at Mile 6.1.	110		SW on skeleton tower	28		1961
	— Buoy 10	In 5 feet			Red oil drum		Red reflector.	
1937	—LIGHT 11 Fl. W., 4^s	On north shore, at Mile 6.8.	140		SW on platform	15		1961
	— Buoy 12	In 8 feet			Red oil drum		Red reflector.	
	— Buoy 14	In 9 feet			Red oil drum		Red reflector.	
	— Buoy 16	In 5 feet			Red oil drum		Red reflector.	
1938	— LIGHT 17 Fl. G., 4^s	On north shore, at Mile 8.1.	110		SW on platform	15		1961

	(2) Name / Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER							
	SNAKE RIVER							
	— Buoy 18	In 8 feet	....	....	Red oil drum		Red reflector.	
	— LIGHT 19 Fl. W., 4s	On north shore, at Mile 9.2.	350	....	SW on platform	15		1961
	— Buoy 20	In 9 feet 46 14.9 118 53.7	....	....	Red oil drum		Red reflector.	
	(Ice Harbor Dam to Lower Monumental Dam Lake Sacajawea) (Chart 682 SC)							
	ICE HARBOR DAM LIGHT 1 Fl. W., 4s	On bluff, at Mile 10.2.	100	....	SW on platform	30		1961
	Ice Harbor Dam Lighted Buoy 2A Fl. W., 4s	In 100 feet, at Mile 10.3.	....	....	Red		White reflector.	
	Ice Harbor Dam Buoy B, C, D, E.	Marks restricted area. In 115 feet, at Mile 10.1 to 10.3	....	....	White can with orange band near top and waterline, orange diamond with orange center cross, worded DAM.		White reflector.	
	HARD ROCK POINT LIGHT 3 Fl. G., 4s	On north shore, at Mile 11.3.	130	....	SW on platform	21	Higher intensity beam up and down channel.	1961
	THREE ISLAND BEND LIGHT 4 Fl. R., 4s	On south shore, at Mile 12.3.	120	....	TR on platform	25	Higher intensity beam up channel.	1961
	THREE ISLAND BEND LIGHT 5 Fl. W., 4s	On north shore, at Mile 12.9.	100	....	SW on white house	19	Higher intensity beam up and down channel.	1961
	THREE ISLAND BEND LIGHT 6 Fl. W., 4s	On south shore, at Mile 14.2.	100	....	TR on platform	41		1961
	THREE ISLAND BEND LIGHT 7 Fl. W., 4s	On north shore, at Mile 14.5.	100	....	SW on platform	25	Higher intensity beam up and down channel.	1961
	FISH HOOK RAPIDS LIGHT 9 Fl. G., 4s	On north shore, at Mile 16.0	150	....	SW on tower		Higher intensity beam down channel.	1961
	FISH HOOK RAPIDS LIGHT 10 Fl. R., 4s	On south shore, at Mile 16.9.	120	....	TR on platform	35	Higher intensity beam up and down channel.	1961–1962
	PAGE RAPIDS LIGHT 11 Fl. W., 4s	On north shore, at Mile 17.8	100	....	SW on platform	25	Higher intensity beam up and down channel.	1961–1962
	PAGE RAPIDS LIGHT 12 Fl. R., 4s	On south shore, at Mile 18.2.	120	....	TR on top of pump house, Fishhook State Park.	25	Higher intensity beam up channel.	1961
2	PAGE LIGHT 13 Fl. G., 4s	On north shore, at Mile 19.7.	....	....	SW on platform	22	Higher intensity beam up and down channel.	1961
3	ANCHOR CANYON LIGHT 15 Fl. W., 4s	On north shore, at Mile 20.3.	100	....	SW on platform	34	Higher intensity beam up and down channel.	1961
	Anchor Canyon Daybeacon 16	On south shore, at tip of canyon, at Mile 21.2.	....	....	Two red triangular daymarks, one on each side of point.		Red reflector.	
54	ANCHOR CANYON LIGHT 17 Fl. G., 4s	On north shore, at Mile 21.4.	150	....	SW on platform	13	Higher intensity beam up channel.	1962
	Anchor Rapids Buoy 21	In 15 feet, at Mile 23.4.	....	....	Black oil drum		White reflector.	
56	ANCHOR RAPIDS LIGHT 22 Fl. W., 4s	On south shore, at Mile 23.7.	100	....	TR on platform	29	Higher intensity beam up and down channel.	1962

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	WASHINGTON						THIRTEENTH DISTRICT	
	COLUMBIA RIVER							
	SNAKE RIVER							
	(Ice Harbor Dam to Lower Monumental Dam)							
	(Lake Sacajawea)							
1957	ANCHOR RAPIDS LIGHT 23 Fl. G., 4^s	On north shore, at Mile 24.2.			SW on platform	15	Higher intensity beam up channel.	1962
1958	—LIGHT 25 Fl. G., 4^s	On north shore, at Mile 25.3.	130		SW on platform	13	Higher intensity beam up and down channel.	1962
1959	SIMMONS LIGHT 26 Fl. R., 4^s	On south shore, at Mile 25.9.	100		TR on platform	60	Higher intensity beam up channel.	1962
1960	—LIGHT 27 Fl. W., 4^s	On north shore, at Mile 26.6.	350		SW on platform	15	Higher intensity beam up down channel.	1962
	Simmons Buoy 28	In 15 feet, at Mile 27.0.			Red oil drum		Red reflector.	
	Ford Island Buoy 30	In 10 feet, at Mile 29.3.			Red oil drum		Red reflector.	
1961	FORD ISLAND LIGHT 31 Fl. W., 4^s	On bluff, north shore, at Mile 29.5.	350		SW on platform	15	Higher intensity beam dow channel.	1962
1962	FORD ISLAND LIGHT 33 Fl. G., 4^s	On bluff, north shore, at Mile 29.9.			SW on platform	15	Higher intensity beam up channel.	1962
	Couch Island Buoy 34	In 12 feet, at Mile 31.2.			Red oil drum		Red reflector.	
1963	COUCH ISLAND RAPIDS LIGHT 35. Fl. W., 4^s	On north shore, at Mile 31.2.	100		SW on platform	15	Higher intensity beam up and down channel.	1962
	Couch Islands Rapids Buoy 38	In 10 feet, at Mile 31.6.			Red oil drum		Red reflector.	
	— Buoy 40	In 15 feet, at Mile 32.8.			Red oil drum		Red reflector.	
	— Buoy 42	In 15 feet, at Mile 33.0.			Red oil drum		Red reflector.	
1964	—LIGHT 43 Fl. G., 4^s	On north shore, at Mile 33.1	130		SW on platform	15	Higher intensity beam down channel.	1962
	Rescue Island Buoy 44	In 8 feet, at Mile 33.9.			Red oil drum		Red reflector.	
1965	— LIGHT 45 Fl. W., 4^s	On north shore, at Mile 34.0.	100		White box	15	Green reflector.	1962
	Rescue Island Buoy 46	In 18 feet, at Mile 34.2.			Red oil drum		Red reflector.	
1966	PINE TREE RAPIDS LIGHT 47 Fl. W., 4^s	On north shore, at Mile 35.4.			SW on platform	15	Higher intensity beam up and down channel.	1962
	Pine Tree Rapids Buoy 48	In 18 feet, at Mile 35.7.			Red oil drum		Red reflector.	
	Pine Tree Rapids Buoy 50	In 8 feet, at Mile 35.9.			Red oil drum		Red reflector.	
	Windust Buoy 51	In 15 feet, at Mile 37.2.			Black oil drum		White reflector.	
1967	SCOTT LIGHT 52 Fl. R., 4^s	On south shore, at Mile 37.9.	130		TR on platform	60		1962

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER							
	SNAKE RIVER							
	(Ice Harbor Dam to Lower Monumental Dam)							
	(Lake Sacajawea)							
	WINDUST RANGE FRONT LIGHT. **Qk. Fl. W.**	On north shore, at Mile 38.2. 46 32.0 118 34.9	....	....	KWR on skeleton tower	27	850 cp on rangeline with lower intensity elsewhere.	1962–1966
	WINDUST RANGE REAR LIGHT **E. Int. W., 6^{s}**	On shore, 322 yards 040° from front light.	....	....	KRW on skeleton tower	61	3,000 cp visible 4° each side of rangeline.	1969
	MATTHEWS RANGE FRONT LIGHT. **Qk. Fl. W.**	On south shore at Mile 39.3. 46 32.1 118 33.6	....	....	KWR on skeleton tower	50	900 cp on rangeline with lower intensity elsewhere.	1969
	MATTHEWS RANGE REAR LIGHT. **E. Int. W., 6^{s}**	On shore, 215 yards 079° from front light.	....	....	KWR on skeleton tower	16	3,000 cp visible 4° each side of rangeline.	1969
	MATTHEWS LIGHT 55 **Fl. G., 4^{s}**	On north shore at Mile 39.3.	....	....	SW on platform	25		1969
	HAUNTED HOUSE LIGHT 58 **Fl. R., 4^{s}**	On south shore at Mile 40.9.	....	....	TR on platform	30		1969
	CUTTER LIGHT 59 **Fl. W., 2.5^{s}**	On north shore	110	....	SW on platform	27	Higher intensity beam down channel.	1969
	(Lower Monumental Dam to Little Goose Dam)							
	Lower Monumental Dam Buoys, A, B, C, D.	Marks restricted area. In from 20 to 35 feet, at Mile 41.8 to 42.0	....	....	White can with orange band near top and waterline, orange diamond with orange center cross worded DAM.		Ra ref.	
	Lower Monumental Dam Lighted Buoy 3. **Fl. W., 4^{s}**	In 116 feet. 46 34.0 118 31.7	130	....	Black.		Ra ref.	
9	PAUL LIGHT 4 **Fl. R., 4^{s}**	On south shore, at Mile 42.9.	....	....	TR on platform	12		1969
0	*Lower Monumental Dam Lighted Buoy 5.* **Qk. Fl. G.**	In 30 feet. 46 34.1 118 31.8	....	....	Black.		Ra ref.	
3	RUXBY BEND LIGHT 6 **Fl. W., 2.5^{s}**	On south shore at turn in channel at Mile 44.2.	110	....	TR on skeleton tower	40	Higher intensity beam down channel.	1969
35	CRUMBLE LIGHT 7 **Fl. G., 4^{s}**	On north shore at Mile 44.6.	....	....	SW on platform	17		1969
9	HONKER LIGHT 9 **Fl. W., 2.5^{s}**	On north shore near turn in channel at Mile 45.3.	110	....	SW on platform	16	Higher intensity beam down channel.	1969
1	STAT LIGHT 10 **Fl. R., 4^{s}**	On south shore at Mile 45.8.	....	....	TR on platform	16		1969
3	MALLARD LIGHT 11 **Fl. G., 2.5^{s}**	On north shore near turn in channel at Mile 46.0.	....	....	SW on platform	16	Higher intensity beam up channel.	1969
5	VEER LIGHT 13 **Fl. G., 4^{s}**	On north shore at Mile 48.5.	....	....	SW on skeleton tower	35		1969
7	RAVINE LIGHT 14 **Fl. W., 2.5^{s}**	On south shore near turn in channel at Mile 48.7.	110	....	TR on platform	17	Higher intensity beam up channel.	1969
9	AYER LIGHT 16 **Fl. R., 2.5^{s}**	On south shore at turn in channel at Mile 49.8.	....	....	TR on platform	12	Higher intensity beam up channel.	1969

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	WASHINGTON						THIRTEENTH DISTRICT	
	COLUMBIA RIVER							
	SNAKE RIVER							
	(Lower Monumental Dam to Little Goose Dam)							
1968.51	AYER LIGHT 17 Fl. G., 4^{s}	On north shore at turn in channel at Mile 50.0	....	....	SW on skeleton tower	24		1969
1968.53	COURT LIGHT 18 Fl. W., 2.5^{s}	On south shore at Mile 50. 1.	110	....	TR on platform	15	Higher intensity beam down channel.	1969
1968.55	PALOUSE BLUFF LIGHT 19 Fl. W., 2.5^{s}	On north shore at turn in channel at Mile 51. 3	110	....	SW on platform	14	Higher intensity beam up channel.	1969
1968.57	CHEW LIGHT 20 Fl. R., 4^{s}	On south shore at Mile 53.1.	....	....	TR on skeleton tower	25		1969
1968.59	DAVIN LIGHT 21 Fl. W., 2.5^{s}	On north shore at turn in channel at Mile 54. 2.	110	....	SW on platform	18	Higher intensity beam up and down channel.	1969
1968.61	PERRY LIGHT 22 Fl. R., 4^{s}	On south shore at Mile 54. 9	....	....	TR on platform	11		1969
1968.63	PERRY LIGHT 24 Fl. W., 2.5^{s}	On south shore at turn in channel at Mile 56.0.	110	....	TR on platform	17	Higher intensity beam down channel.	1969
1968.65	JOHN LIGHT 25 Fl. G., 4^{s}	On north shore at Mile 56. 5.	....	....	SW on platform	17		1969
1968.67	STEAMBOAT BEND LIGHT 27 Fl. W., 2.5^{s}	On north shore at turn in channel at Mile 57.6.	110	....	SW on platform	17	Higher intensity beam up and down channel.	1969
1968.69	STEAMBOAT BEND LIGHT 28 Fl. R., 4^{s}	On south shore near turn in channel at Mile 57. 9	....	....	TR on skeleton tower	24		1969
1968.71	PALOUSE RIVER LIGHT 29 Fl. W., 2.5^{s}	On north shore of river at Mile 60. 0.	110	....	SW on platform	23	Higher intensity beam down channel.	1969
1968.73	TUCANNON LIGHT 30 Fl. R., 4^{s}	On south shore at Mile 60. 9.	....	....	TR on platform	17		1969
1968.75	TUCANNON RIVER LIGHT 32 Fl. W., 2.5^{s}	On south shore at turn in channel at Mile 62. 2.	110	....	TR on platform	13	Higher intensity beam up channel.	1969
1968.77	TUCANNON RIVER LIGHT 34 Fl. R., 2.5^{s}	On south shore at turn in channel at Mile 62.8	....	....	TR on platform	26	Higher intensity beam up channel.	1969
1968.79	HUNTERS LIGHT 35 Fl. W., 2.5^{s}	On north shore at Mile 64.3.	110	....	SW on platform	14	Higher intensity beam down channel.	1969
1968.81	TEXAS LIGHT 37 Fl. G., 4^{s}	On north shore at turn in channel at Mile 65. 4.	....	....	SW on platform	14	Higher intensity beam up and down channel.	1969
1968.83	TEXAS LIGHT 38 Fl. W., 2.5^{s}	On south shore at turn in channel at Mile 65. 5.	110	....	TR on platform	14	Higher intensity beam down channel.	1969
1968.85	ALKALI FLAT CREEK LIGHT 39 Fl. W., 2.5^{s}	On north shore at turn in channel at Mile 66. 9.	110	....	SW on platform	14	Higher intensity beam up and down channel.	1969
1968.87	RIPARIA LIGHT 40 Fl. R., 4^{s}	On south shore at Mile 67. 2.	....	....	TR on platform	16		1969
1968.89	McGUIRE RANGE FRONT LIGHT Qk. Fl. W.	In 10 feet on south side of river at Mile 67.7.	....	....	KWR on pile structure	20	900 cp on rangeline with lower intensity elsewhere.	1969
1968.91	McGUIRE RANGE REAR LIGHT E. Int. W., 6^{s}	81 yards 254°30' from front light.	....	....	KWR on skeleton tower	28	3,000 cp visible 4° each side of rangeline.	1969

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	WASHINGTON						THIRTEENTH DISTRICT	
	COLUMBIA RIVER							
	SNAKE RIVER							
	(Lower Monumental Dam to Little Goose Dam)							
	McGUIRE LIGHT 41 **Fl. G., 4s**	On north shore at turn in channel at Mile 68.1.	....	....	SW on skeleton tower	26		1969
	McGUIRE LIGHT 43 **Fl. G., 4s**	On north shore at turn in channel at Mile 69.1.	....	....	SW on platform	17	Higher intensity beam up channel.	1969
	(Little Goose Dam to Lower Granite Dam)							
	LITTLE GOOSE RESERVOIR							
	—*Lighted Buoy 1* **Fl. W., 4s**	In 60 feet at Mile 70.7.	....	....	Black		Ra ref.	
	Little Goose Dam Buoys A, B, C, D, E.	Mark restricted area In 130 feet.	....	....	White can with orange band near top and waterline, orange center cross worded DAM.		White reflector.	
3	—LIGHT 2 **Fl. R., 4s**	On south shore at Mile 71.3.	....	....	TR on platform	19	Higher intensity beam up channel.	1970
	—LIGHT 3 **Fl. G., 4s**	On north shore at Mile 71.9.	....	....	SW on platform	34	Higher intensity beam down channel.	1970
	—LIGHT 4 **Fl. R., 4s**	On south shore at Mile 74.9.	....	....	TR on platform	21		1970
	—LIGHT 5 **Fl. G., 2.5s**	In 6 feet at Mile 75.6.	....	....	SW on pile	15	Higher intensity beam down channel.	1970
	—LIGHT 6 **Qk. Fl. R.**	On south shore at turn in channel at Mile 77.2.	....	....	TR on platform	18	Higher intensity beam up and down channel.	1970
	—LIGHT 7 **Fl. G., 4s**	On north shore at Mile 77.4	....	....	SW on platform	13		1970
3	—LIGHT 8 **Fl. R., 4s**	On island at Mile 78.6.	....	....	TR on skeleton tower	26		1970
5	—LIGHT 9 **Qk. Fl. G.**	On north shore at turn in channel at Mile 79.7.	....	....	SW on platform	15	Higher intensity beam up and down channel.	1970
7	—LIGHT 10 **Fl. R., 4s**	On south shore at Mile 80.6.	....	....	TR on skeleton tower	27		1970
9	—LIGHT 11 **Fl. G., 4s**	On north shore at Mile 80.6.	....	....	SW on platform	8		1970
	—Buoy 13	In 25 feet at Mile 82.0	....	....	Black oil drum		White reflector.	
1	—LIGHT 14 **Fl. R., 2.5s**	On south shore at Mile 82.3	....	....	TR on platform	58	Higher intensity beam up and down channel.	1970
	—Buoy 15	In 25 feet at Mile 82.4.	....	....	Black oil drum		White reflector.	
33	—LIGHT 17 **Fl. G., 4s**	In 20 feet at Mile 85.2.	....	....	SW on dolphin	16		1970
35	—LIGHT 18 **Fl. W., 4s**	On south shore at Mile 85.3.	100	....	TR on platform	13	Higher intensity beam up and down channel.	1970
37	—LIGHT 20 **Fl. R., 4s**	In 20 feet at Mile 87.0	....	....	TR on dolphin	16		1970

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER							
	SNAKE RIVER							
	(Little Goose Dam to Lower Granite Dam)							
	LITTLE GOOSE RESERVOIR							
1969.39	—LIGHT 21 **Qk. Fl. G.**	On north shore at Mile 88.3.			SW on platform	13	Higher intensity beam up and down channel.	1970
1969.41	—LIGHT 22 **Fl. R., 4ˢ**	On south shore at Mile 90.2.			TR on skeleton tower	27		1970
1969.43	—LIGHT 23 **Fl. G., 4ˢ**	In 20 feet at Mile 90.2.			SW on dolphin	27		1970
1969.45	—LIGHT 24 **Fl. W., 4ˢ**	On south shore at 92.2.	100		TR on skeleton tower	27	Higher intensity beam down channel.	1970
1969.47	—LIGHT 25 **Fl. G., 2.5ˢ**	On north shore at 92.3.			SW on platform	14		1970
1969.49	—LIGHT 26 **Fl. R., 4ˢ**	On south shore at Mile 93.0			TR on pole	27		1970
1969.51	—LIGHT 27 **Fl. G., 4ˢ**	On north shore at Mile 93.2.			SW on platform	15	Higher intensity beam up and down channel.	1970
1969.53	—LIGHT 28 **Fl. R., 4ˢ**	On south shore at Mile 93.7.			TR on pole	27		1970
1969.55	—LIGHT 29 **Fl. G., 4ˢ**	On north shore at Mile 95.5.			SW on skeleton tower	27	Light obscured from 180° to 302°.	1970
1969.59	—LIGHT 31 **Fl. W., 4ˢ**	On north shore at Mile 96.0	100		SW on skeleton tower	26		1970
1969.60	—LIGHT 32 **Fl. R., 2.5ˢ**	On south shore at turn in channel at Mile 96.2.			TR on skeleton tower	27	Higher intensity beam up and down channel.	1970
1969.61	—LIGHT 33 **Fl. G., 4ˢ**	On north shore at Mile 97.2.			SW on skeleton tower	26		1970
1969.63	—LIGHT 34 **Fl. R., 4ˢ**	On south shore at Mile 98.3.			TR on skeleton tower	27		1970
1969.67	—LIGHT 37 **Fl. G., 4ˢ**	On south shore at Mile 99.7.			SW on pole	21	Higher intensity beam up and down channel.	1970
1969.69	—LIGHT 38 **Qk. Fl. R.**	On south shore at turn in channel at Mile 100.7.			TR on platform	18	Higher intensity beam up and down channel.	1970
	—Buoy 39	In 15 feet at Mile 101.5.			Black oil drum		White reflector.	
1969.73	—LIGHT 40 **Fl. R., 4ˢ**	On south shore at Mile 101.6.			TR on skeleton tower	103	Higher intensity beam up channel.	1970
	—Buoy 41	In 15 feet at Mile 101.8.			Black oil drum		White reflector.	
1969.79	—LIGHT 43 **Fl. G., 4ˢ**	On north shore at Mile 102.6			SW on platform	15	Higher intensity beam down channel.	1970
1969.81	—LIGHT 45 **Fl. G., 2.5ˢ**	On north shore at turn in channel at Mile 103.4.			SW on platform	18	Higher intensity beam up channel.	1970
	—Buoy 48	In 20 feet at Mile 104.0.			Red oil drum		Red reflector.	
1969.83	—LIGHT 49 **Fl. G., 4ˢ**	On north shore at Mile 104.1.			SW on platform	15	Higher intensity beam up and down channel.	1970

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
				WASHINGTON			
COLUMBIA RIVER							
SNAKE RIVER							
(Little Goose Dam to Lower Granite Dam)							
LITTLE GOOSE RESERVOIR							
—Buoy 50	In 20 feet at Mile 104.3.	....	....	Red oil drum		Red reflector.	
BOYER LOWER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 18 feet at Mile 104.5.	....	....	KWR on pile structure	20	1,600 cp visible 4° each side of rangeline.	1970
—Buoy 52	In 20 feet at Mile 104.9.	....	....	Red oil drum		Red reflector.	
—Buoy 53	In 25 feet at Mile 105.3.	....	....	Black oil drum		White reflector.	
BOYER LOWER RANGE REAR LIGHT. **E. Int. W., 6^s**	64 yards 346°27′ from front light.	....	....	KWR on skeleton tower	28	3,000 cp visible 4° each side of rangeline.	1970
BOYER UPPER RANGE FRONT LIGHT. **Qk. Fl. R.**	In 18 feet at Mile 106.7.	....	....	KWR on pile structure	22	500 cp on rangeline with lower intensity elsewhere.	1970
BOYER UPPER RANGE REAR LIGHT. **E. Int. R., 6^s**	150 yards 154°44′ from front light.	....	....	KWR on skeleton tower	35	600 cp visible 4° each side of rangeline.	1970
—LIGHT 55 **Fl. G., 4^s**	On north shore at Mile 107.0	....	....	White square daymark on skeleton tower.	37	Green reflector.	1970
LAKE ENTIAT							
(Rocky Reach Dam)							
Turtle Rock Junction Buoy	At south tip of island, at Mile 474.8.	....	....	Red and black horizontal bands; spar.		Private aid.	
Turtle Rock East Channel Buoy 1, 3, 5.	East side of island	....	....	Black spar		Private aids.	
Turtle Rock Buoy 2, 4, 6, 8	West side of island, from Mile 475.0 to Mile 475.6.	....	....	Red spar		Private aids.	
Swakane Buoy 1	West side of river, at Mile 475.0.	....	....	Black spar		Private aid.	
Tenas George Buoy 9, 11, 13, 15 17, 18, 20.	Odd numbers west side of river; even numbers east side of river; from Mile 475.8 to Mile 477.6.	....	....	Odd numbered, black spars; even numbered, red spars.		Private aids.	
Wagnersburg Buoy 22	East side of river, at Mile 479.0.	....	....	Red spar		Private aid.	
Spencer Buoy 23, 25	West side of river, at Mile 481.8 and Mile 488.1.	....	....	Black spar		Private aids.	
Ribbon Cliff Buoy 27, 29, 31	West side of river, from Mile 487.94 to Mile 488.1.	....	....	Black spar		Private aids.	
Winesap Buoy 33, 35	West side of river, at Mile 489.65 and Mile 489.8.	....	....	Black spar		Private aids.	
Chelan Falls Buoy 37, 39	North side of river, at Mile 502.5 and Mile 502.8.	....	....	Black spar		Private aids.	
Hugo Buoy 41, 43, 45, 47	North side of river, from Mile 509.6 to Mile 510.8.	....	....	Black spar		Private aids.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER										
	FRANKLIN D. ROOSEVELT LAKE										
	(Above Coulee Dam) (Charts 6168, 6169)										
1972	PINE TREE POINT LIGHT 1 Fl. W., 4^s	On north side of lake.	48 56.8	118 56.1			White box		12		1945
	Plum Point Buoy 2	In 5 feet	47 57.5	118 51.9			Red nun			Red reflector.	
1973	SWAWILLA POINT LIGHT 3 Fl. W., 4^s	On north side of lake.					White box		14		1945
1974	DEER POINT LIGHT 4 Fl. W., 4^s	On south side of lake.					White box		16		1955
	Devils Pasture Buoy 7	In 10 feet					Black can			Ra ref. White reflector.	
1975	CAMEL BLUFF LIGHT 8 Fl. W., 4^s	On south side of lake.					White box		20		1945
	Devils Pasture Buoy 9	In 22 feet					Black can			White reflector.	
	Keller Ferry Buoy 10	In 10 feet	47 55.8	118 41.1			Red nun			Red reflector.	
	Keller Ferry Buoy 10A	In 10 feet	47 55.8	118 41.9			Red nun			Red reflector.	
1976	CHINA BLUFF LIGHT 11 Fl. W., 4^s	On west side of lake.					White box		16		1945
1977	HELLGATE ISLAND LIGHT 13 Fl. W., 4^s	On north side of lake.					White box		18		1945
1978	WHITESTONE CREEK LIGHT 13A. Fl. W., 4^s	On north side of lake.					White box		18	Higher intensity beam up and down river.	1945–1963
	Moonshine Bay Buoy 14	In 4 feet					Red nun			Ra ref. White reflector.	
1979	MOONSHINE CANYON LIGHT 16 Fl. W., 4^s	On south side of lake.					White box		16		1945
1980	HALVERSON CANYON LIGHT 17. Fl. W., 4^s	On north side of lake.					White box		16		1945
1981	GOAT PASTURE LIGHT 18. Fl. W., 4^s	On south side of lake.					White box		12		1945
1982	ROCK ISLAND LIGHT 19 Fl. W., 4^s	On west side of lake.					White box		23		1959
	Lamb Rock Buoy 19A	In 30 feet					Black can			White reflector.	
1983	SPOKANE RIVER LIGHT 20 Fl. W., 4^s	On east side of lake.					White box		23		1945–1961
	SPOKANE RIVER ARM										
1983.11	DETILLION CAMPGROUND LIGHT 2. Fl. W., 4^s	On shore	47 56.3	118 15.3	100		TR on skeleton tower		44		1971
1983.15	FERGUSON CREEK LIGHT 3 Fl. W., 4^s	On shore	47 56.8	118 12.5			SW on platform		16	Higher intensity beam up and downstream.	1971
1983.21	PORCUPINE BAY LIGHT 4 Fl. W., 4^s	In 3 feet	47 53.3	118 09.8			TR on pile		15	Higher intensity beam up and downstream.	1971
	Spokane River Buoy 5	In 8 feet					Black can			White reflector.	
	Spokane River Buoy 7	In 7 feet					Black can			White reflector.	
1983.25	SQUAW CANYON LIGHT 8 Fl. W., 4^s	On shore	47 47.8	118 04.1			TR on platform	16		Higher intensity beam u and downstream.	1971
	Squaw Canyon Buoy 10	In 6 feet					Red nun			Red reflector.	
1983.31	SQUAW CANYON LIGHT 11 Fl. W., 4^s	In 4 feet			100		SW on skeleton tower		11	Red reflector.	1971
	Squaw Canyon Buoy 14	In 7 feet					Red nun			Red reflector.	

(1)	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	FRANKLIN D. ROOSEVELT LAKE								
	MAIN BODY								
	Abraham Rocks Buoy 20A	In 30 feet		....	....	Red nun		Red reflector.	
	THREEMILE LIGHT 21 Fl. W., 4ˢ	On west side of lake.		....	....	White box	8		1945
	Six Mile Creek Buoy 21A	In 15 feet, marks shoal.		....	....	Black can		Ra ref. White reflector.	
	FOX CANYON LIGHT 22 Fl. W., 4ˢ	On east side of lake.		....	....	White box	12		1945
	NINEMILE LIGHT 23 Fl. W., 4ˢ	On west side of lake.		....	....	White box	16		1945
	MOORE LIGHT 25 Fl. W., 4ˢ	On west side of lake. 48 02.8	118 22.2	....	....	White box	18		1952–1967
	WILMONT LIGHT 28 Fl. W., 4ˢ	On south side of lake.		....	....	White box	14		1945
	GEROME LIGHT 30 Fl. W., 4ˢ	On east side of lake..		....	....	White box	16		1945–1966
	FALLS CREEK LIGHT 31 Fl. W., 4ˢ	On west side of lake.		....	....	White box	12		1945–1956
	HARVEY CREEK LIGHT 32 Fl. W., 4ˢ	On east side of lake.		....	....	White box	10		1945–1967
	SEVERN SPRINGS LIGHT 33 Fl. W., 4ˢ	On west side of lake.		....	....	White box	12		1945
.1	EAST BISSELL FLATS LIGHT 34. Fl. W., 4ˢ	On east side of Lake.		....	....	TR on white box	15	Higher intensity beam down channel.	
	BISSELL FLATS LIGHT 34A Fl. W., 4ˢ	In 2 feet, east side of lake.		....	....	White box on crib	8		1945–1967
	FRANKLIN D. ROOSEVELT LAKE (Above Coulee Dam)								
	GIFFORD FERRY LIGHT 36 Fl. W., 4ˢ	On east side of lake ..	100	....	....	White box	8	Higher intensity beam up channel.	1945–1966
	MISSION POINT LIGHT 37 Fl. W., 4ˢ	On west side of lake.		....	....	White box	16		1945
	BARNABY FLATS LIGHT 39 Fl. W., 4ˢ	On west side of lake. 48 26.8	188 12.7	....	....	White house	15	Higher intensity beam down channel.	1955–1956
	SHELL ROCK LIGHT 41 Fl. W., 4ˢ	On west side of lake.		....	....	White box	12		1945
	FRENCH POINT ROCKS LIGHT 43. Fl. W., 4ˢ	On west side of lake.		....	....	White box	10		1945
	RICKEY LIGHT 44 Fl. W., 4ˢ	On east side of lake.		....	....	White box	10		1945
	—Buoy 45	In 40 feet 48 33.3	118 08.6	....	....	Black can		White reflector.	
	SHERMAN CREEK LIGHT 47 Fl. W., 4ˢ	On west side of lake.		....	....	White box	30		1945
	—Buoy 48	In 6 feet		....	....	Red nun		Red reflector.	
	—Buoy 50	In 6 feet		....	....	Red nun		Red reflector.	
	—Buoy 53	In 6 feet		....	....	Black can		White reflector.	
	—Buoy 54	In 20 feet		....	....	Red nun		Red reflector.	
	—Buoy 56	In 8 feet		....	....	Red nun		Red reflector.	
	—Buoy 58	In 16 feet		....	....	Red nun		Red reflector.	

OREGON AND WASHINGTON THIRTEENTH DISTRICT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	FRANKLIN D. ROOSEVELT LAKE									
	(Above Coulee Dam)									
2001	CHINA BAR LIGHT 1 Fl. G., $10^{s}(1^{s}fl)$	On south end of dike, marks debris collection area.	48 49.3	117 56.0	....	....	White box	6	Private aid maintained from June 1 to Nov. 1.	1962–1963
2001.11	CHINA BAR LIGHT 3 Fl. W., 4^{s}	On north end of above dike.			....	....	White box	6	Private aid maintained from June 1 to Nov. 1.	1962–1963
2002	CHINA BAR LIGHT 5 Fl. G., 4^{s}	On north end of auxiliary dike.			....	....	White box	6	Private aid maintained from June 1 to Nov. 1.	1963
2003	CHINA BAR LIGHT 7 Fl. G., $10^{s}(1^{s}fl)$	On west side of lake			....	....	White box	6	Private aid maintained from June 1 to Nov. 1.	1963
	SECONDARY CHANNELS									
	ENTRANCE TO HARRINGTON POINT									
	BAKER BAY WEST CHANNEL (Chart 6151)									
2004	BAKER BAY WEST JETTY LIGHT. Fl. W., 4^{s}	In 2 feet, at end of spur jetty, No. B. 0.11.	46 16.0	124 02.2	 100	....	SB on white house on pile structure.	31	Higher intensity beam up channel.	1941–1953
2005	— EAST JETTY LIGHT. Fl. W., 4^{s}	At end of spur jetty No. B. 0. 28.			....	....	TR on white platform on dolphin.		BELL: 2 strokes ev 30^{s}	1957–196
	— Buoy 1A, 1B	Position shifted with changing conditions.			....	....	Black can		White reflector.	
2006	— EAST JETTY SPUR DIKE LIGHT. Qk. Fl. R.	In 26 feet, at end of spur Dike No. B. 0.42.	46 16.2	124 01.8	....	....	TR on white box on dolphin	17		1961–1965
2007	— LIGHT 4 Fl. R., 4^{s}	In 8 feet, on outer end of Dike No. B 0.56 off Sand Island.	46 16.3	124 01.7	....	....	TR on white platform on dolphin.	20		1948–195
	— Buoy 2, 3	Positions shifted with changing conditions.			....	....	Odd numbered, black can; even numbered, red nun.		Odd numbered, white reflector; even numbered red reflector.	
	— Buoy 5	In 6 feet			....	....	Black can		White reflector.	
2008	— LIGHT 6 Fl. W., 4^{s}	In 20 feet, near end of Dike No. B. 0. 86.			....	....	TR on white platform on dolphin.	17		1948–196
	— Buoy 7	In 10 feet			....	....	Black can		White reflector.	
2009	— LIGHT 8 Fl. R., 4^{s}	In 5 feet				....	TR on white platform on dolphin.	15	Higher intensity beam up and down channel.	194
	— Buoy 10	In 10 feet, 30 feet outside channel limit.			....	....	Red nun		Red reflector.	

(1)	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER							
	SECONDARY CHANNELS							
	ENTRANCE TO HARRINGTON POINT							
	BAKER BAY WEST CHANNEL							
	—LIGHT 12 Fl. W., 4^s	In 14 feet			TR on white platform on dolphin.	15		1948
	—Buoy 13	In 11 feet			Black can		White reflector.	
	—LIGHT 14 Fl. R., 4^s	In 5 feet			TR on white platform on dolphin.	15		1948
	FORT CANBY LIGHT 15 Fl. G., 4^s	In 18 feet			SB on white house on dolphin.	15		1944–1957
	—Buoy 16	In 8 feet			Red nun		Red reflector.	
	—LIGHT 17 Fl. G., 4^s	In 12 feet			SB on white platform on pile	17		1944–1961
	—Buoy 21	In 10 feet			Black can		White reflector.	
	—Buoy 18	In 8 feet			Red nun		Red reflector.	
	—LIGHT 20 Fl. W., 4^s	In 6 feet			TR on white platform on pile	17		1944–1962
	—LIGHT 22 Qk. Fl. W.	In 5 feet, at junction of channel to Ilwaco and Fort Canby. 46 17.9 124 02.2			TR on white platform on pile	15		1944–1961
	—Buoy 23	In 4 feet			Black can		White reflector.	
	ILWACO WEST BREAKWATER LIGHT. Fl. G., 4^s	In 3 feet, off west breakwater.			SB on white platform on pile	15		1958–1961
	CHINOOK CHANNEL							
	—LIGHT 1 Fl. W., 2.5^s	In 8 feet, on west side of entrance to bay. 46 15.6 123 58.2			SB on white platform on pile	15	Ra ref.	1939–1959
	—LIGHT 3 Fl. G., 4^s	In 8 feet, marks entrance to Chinook Channel. 46 15.8 123 57.6			SB on white platform on dolphin.	15	Higher intensity beam down channel. Ra ref.	1936–1950
	—LIGHT 5 Fl. G., 4^s	In 8 feet			SB on white platform on pile	15	Ra ref.	1963
	—LIGHT 8 Fl. W., 4^s	In 13 feet, at inner end of channel, near Chinook, Washington 46 16.3 123 57.1	100		TR on white platform on dolphin.	15	Ra ref.	1936–1971
	ILWACO DOCK LIGHT Fl. R., 4^s	In 1 foot, off west end of pier. 46 18.0 124 02.3			TR on white platform on pile	15		1935–1960
	FORT STEVENS BOAT HARBOR (near Hammond)							
	FORT STEVENS WEST JETTY LIGHT. Fl. R., 4^s	In 6 feet 46 12.3 123 56.9			TR on white platform on pile	20		1944–1971
3	FORT STEVENS EAST JETTY LIGHT. Fl. W., 4^s	In 14 feet			SB on white platform on pile	21		1944–1963

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	SECONDARY CHANNELS									
	ENTRANCE TO HARRINGTON POINT									
	SKIPANON WATERWAY									
2024	—WEST LIGHT Fl. R., 4s	In 2 feet, at outer end of west bulkhead.	46 11.1	123 54.4	....	....	TR on dolphin	15		1935–1966
	—Buoy 6	In 20 feet			....	....	Red nun		Red reflector.	
2025	—EAST LIGHT Fl. G., 4s	In 5 feet, off north end of dike on east side of entrance to waterway.			....	....	SB on dolphin	15		1920–1966
2026	—RANGE FRONT LIGHT F. R.	On axis of channel at southerly end of waterway.	46 10.0	123 54.9	....	....	KRB on skeleton tower	21	700 cp on rangeline with lower intensity elsewhere.	1935–1971
2027	—RANGE REAR LIGHT F. R.	260 yards 198°30′ front light.			....	....	KRB on skeleton tower	30	700 cp on rangeline with lower intensity elsewhere.	1935–1958
	—Buoy 8, 10, 12	In 27 to 30 feet. On west side of channel leading to Skipanon River; 240 yards apart.			....	....	Red nun		Red reflector.	
	YOUNGS BAY									
2028	—ENTRANCE LIGHT 2 Fl. W., 4s	In 10 feet, west side of entrance to bay.	46 10.9	123 52.7	....	....	TR on dolphin	16		1920–1969
	—Channel Buoy 4	In 8 feet, northerly of Lewis and Clark River.			....	....	Red nun		Red reflector.	
2029	—CHANNEL LIGHT 6 Fl. R., 4s	In 8 feet, on south side of channel to Youngs River, and east side of channel to Lewis and Clark River.	46 10.1	123 51.4	....	....	TR on white conical house on dolphin.			1919–1941
	Lewis and Clark River Buoys 6, 8, 9, 10, 11.	In 6 to 10 feet marking entrance to Lewis and Clark River.			....	....	Odd numbered, black can; even numbered, red nun.		Odd numbered, white refle even numbered, red refl	
	NORTH CHANNEL									
	(For Baker Bay West Channel see No. 2004)									
2040	SAND ISLAND LOWER DIKE LIGHT. Fl. G., 4s	In 25 feet, at outer end of Dike No. 4.01, off Sand Island.	46 15.6	124 00.4	....	....	SB on white platform on pile	15		1950–1961
2041	SAND ISLAND MIDDLE DIKE LIGHT. Fl. G., 4s	In 25 feet, at outer end of Dike No. 4.47.			....	....	SB on white platform on dolphin.	15		1950
2042	SAND ISLAND UPPER DIKE LIGHT. Fl. W., 4s (For Chinook Channel, see No. 2017)	In 18 feet, at outer end of Dike No. 5.15.			....	....	SB on white platform on dolphin.	15		1950

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	ENTRANCE TO HARRINGTON POINT								
	NORTH CHANNEL								
	CHINOOK DIKE LIGHT **Fl. W., 4^s**	In 30 feet, at outer end of Dike No. 6.37. 46 15.0 123 57.1	5 100	8	SB on white house on pile structure.		15	BELL: 1 stroke ev 15°. Higher intensity beam up and down channel.	1933–1960
	QUARANTINE LIGHT **Fl. W., 4^s**	In 5 feet, easterly of Quarantine Station. 46 16.1 123 49.4	....	....	SB on white square house on dolphin.		20		1922–1955
	—Buoy 2	In 17 feet, southwesterly of Grays Point.	....	....	Red nun			Red reflector.	
	GRAYS POINT LIGHT **Fl. W., 4^s**	In 4 feet 46 16.4 123 45.9	100	....	SW on pile		15		1913–1970
	Portuguese Point Junction Buoy	In 17 feet, east of point.	....	....	Black and red horizontal bands; can.			White reflector.	
	GRAYS BAY LIGHT **Fl. R., 4^s**	In 8 feet, on south side of channel. 46 16.1 123 43.8	....	....	TR on white platform on pile		15		1908–1959
	—Buoy 3, 4, 5, 7, 8, 9	Position shifted with changing conditions.	....	....	Odd numbered, black can; even numbered, red nun.			Odd numbered, white reflector; even numbered, red reflector.	
	GRAYS BAY								
	ROCKY POINT LIGHT **Fl. W., 4^s**	On rock 46 17.3 123 43.6	....	....	SB on white square house on pile.		15		1913–1965
	Deep River Channel Buoy 5	In 25 feet, near Rocky Point.	....	....	Black can			White reflector.	
	Deep River Channel Buoy 8	In 7 feet, in Brix Bay.	....	....	Red nun			Red reflector.	
	Deep River Channel Buoy 10, 12, 14, 16.	In 6 to 7 feet	....	....	Red nun			Red reflector.	
	CATHLAMET BAY SOUTH CHANNEL								
9	—*Lighted Buoy 2* **Fl. W., 4^s**	In 34 feet 46 12.7 123 45.3	100	....	Red				
	—Buoy 3	In 12 feet	....	....	Black can			White reflector.	
)	—*Lighted Buoy 4* **Fl. R., 4^s**	In 23 feet	....	....	Red				
	—Buoy 5	In 17 feet, northwesterly of Mott Island.	....	....	Black can			White reflector.	
	—Buoy 6	In 19 feet	....	....	Red nun			Red reflector.	
	—Buoy 7	In 20 feet	....	....	Black can			White reflector.	
	John Day River Junction Buoy	In 17 feet	....	....	Red and black horizontal bands; nun.			Red reflector.	
	—Buoy 9	In 6 feet, 0.2 mile easterly of John Day Point.	....	....	Black can			White reflector.	
	—Buoy 10, 12, 14, 16	In 6 to 10 feet	....	....	Red nun			Red reflector.	
	CATHLAMET BAY PRAIRIE CHANNEL (Charts 6151, 6152)								
52	GRASSY ISLAND LIGHT 8A **Fl. W., 4^s**	In 5 feet 46 11.6 123 41.4	....	....	TR on white platform on pile		17		1925–1961
52.51	—NORTH LIGHT 3 **Fl. W., 4^s**	In 15 feet	....	....	SB on white platform on dolphin.		15	Higher intensity beam up and down channel.	1964

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER									
	ENTRANCE TO HARRINGTON POINT									
	CATHLAMET BAY PRAIRIE CHANNEL									
	— North Buoy 5	In 8 feet				Black can			White reflector.	
	(Chart 6152)									
2053	— LIGHT 10 Fl. W., 4^s	In 9 feet, northerly of Settler Point.				TR on white platform on pile		15	Higher intensity beam up and down channel.	1961–1971
	— Buoy 12	In 8 feet				Red nun			Red reflector.	
2054	SVENSEN ISLAND LIGHT 12A Fl. W., 4^s	In 14 feet 46 10.9	123 38.6			TR on white platform on dolphin.		15	Higher intensity beam up and down channel.	1952–1961
	— Buoy 14	In 10 feet				Red nun			Red reflector.	
2055	RUSSIAN ISLAND LIGHT 15 Fl. G., 4^s	In 3 feet 46 11.9	123 38.1			SW on white platform on dolphin.		15		1952
	— Buoy 16	In 15 feet, westerly of Karlson Island.				Red nun			Red reflector.	
	— Buoy 18	In 7 feet, easterly of Seal Island.				Red nun			Red reflector.	
	— Buoy 17	In 15 feet, southwesterly of Marsh Island.				Black can			White reflector.	
2056	MARSH ISLAND LIGHT 17A Fl. W., 4^s	In 14 feet, southwesterly of Marsh Island.				SB on white platform on dolphin.		15		1936–1957
2057	— LIGHT 19 Fl. W., 4^s	In 13 feet 46 14.2	123 32.8			SW on dolphin		15		1952–1969
	WOODY ISLAND CHANNEL (Chart 6151)									
	— Buoy 2	In 8 feet, northwesterly of Green Island. 46 14.4	123 41.8			Red nun			Red reflector.	
	— Buoy 3, 4, 6	In 8 to 16 feet				Odd numbered, black can; even numbered, red nun.			Odd numbered, white numbered; even numbere red reflector.	
	ST. HELENS TO VANCOUVER (Charts 6153, 6154)									
	MULTNOMAH CHANNEL									
	(For Main Channel, see No. 1570)									
2058	ST. HELENS CHANNEL LIGHT 2 Fl. R., 4^s	In 19 feet, 1 mile north of St. Helens.				TR on white platform on dolphin.		15		1923–1966
2059	ST. HELENS CHANNEL LIGHT 3 Fl. G., 4^s	In 9 feet, at westerly end of Dike No. 85.98.				SB on white platform on dolphin.		15	Light obscured from 168° to 336°.	1924–1941
2060	ST. HELENS CHANNEL LIGHT 5 Fl. W., 4^s	In 7 feet, on westerly end of Dike No. 86.28.				SB on white platform on dolphin.		15		1924–1965
2061	— NORTH ENTRANCE RANGE FRONT LIGHT. Qk. Fl. W.	On Warrior Point 45 51.4	122 47.5			KRB on pile structure		16	900 cp visible 2° each side of rangeline.	1950–1960
2062	— NORTH ENTRANCE RANGE REAR LIGHT. E. Int. W., 6^s	383 yards 170° from front light.				White diamond daymark with red vertical stripe on skeleton tower.		33	1, 100 cp visible 2° each side of rangeline.	1950–1960
	— Buoy 2	In 8 feet, southwesterly of mouth of Cunningham Slough.				Red nun			Red reflector.	

) o.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Range	Year
	COLUMBIA RIVER									
	ST. HELENS TO VANCOUVER									
	MULTNOMAH CHANNEL									
	—LIGHT 6 **Fl. R., 4^s**	In 9 feet	45 50.1	122 48.6	....	....	TR on white conical house on dolphin.	15	Higher intensity beam up and down channel.	1936–1941
	—Range Front Daybeacon 8	On southern end of channel, near Miller.	45 37.3	122 48.5	....	....	SW with red vertical stripe			
	—Range Rear Daybeacon	140 yards 285° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on skeleton tower.			
4	—LIGHT 11 **Fl. G., 4^s**	In 23 feet, southern end of channel, opposite Miller.	45 37.2	122 48.1	....	....	SB on white cylindrical house on dolphin.			1936–1941
	(For continuation into Willamette River, see No. 2075)									
	LEWIS RIVER (Chart 6153)									
	—Buoy 2.4.6	In 5 to 6 feet			....	....	Red nun....................		Ra ref. Red reflector.	
	(Chart 6155)									
5 6	KELLEY POINT JUNCTION LIGHT. **I. Qk. Fl. W.**	In 25 feet, at outer end of Dike No. 101.42, east side of entrance to Willamette River, off Kelley Point.	45 39.2	122 45.7	160	....	JR on white platform on pile structure.	21	BELL: 1 stroke ev 15^s. Not sounded from June 1 to Aug. 31.	1921–1958
	Willamette River									
	(For Columbia River, see No. 1604)									
6	—LIGHT 2 **Fl. R., 4^s**	In 7 feet	45 39.2	122 46.0	....	....	TR on white platform on dolphin.	16		1932–1962
57	—LIGHT 3 **Fl. G., 4^s**	In 8 feet			....	....	SB on white platform on dolphin.	15	Higher intensity beam up channel.	1954
58	—LIGHT 4 **Fl. W., 4^s**	In 10 feet			100	....	TR on white platform on dolphin.	10		1947–1969
59	—LIGHT 6 **Fl. R., 4^s**	In 8 feet			....	....	TR on white platform on dolphin.	15	Higher intensity beam up channel.	1966
70	—LIGHT 10 **Fl. W., 4^s**	In 7 feet			....	....	TR on white platform on dolphin.	10	Higher intensity beam up channel.	1947
71	—LIGHT 11 **Fl. G., 4^s**	In 8 feet			....	....	SB on white platform on dolphin.	18		1948–1962
72	POST OFFICE RANGE FRONT LIGHT. **Qk. Fl. W.**	In 3 feet	45 37.8	122 47.6	....	....	White square daymark with red vertical stripe on pile structure.	17	800 cp on rangeline with lower intensity elsewhere.	1883–1958
73	POST OFFICE RANGE REAR LIGHT. **E. Int. W., 6^s**	235 yards 347° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.	31	2,000 cp visible 4° each side of rangeline.	1883–1941
74.11	ASH GROVE LIME DOCK LIGHTS. **2 F. G.**	On outer end of dock.			....	....	Pile structure...............	35	Private aid.	1966

OREGON

THIRTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER								
	Willamette River								
2075	MULTNOMAH CHANNEL ENTRANCE LIGHT. Fl. W., 4^s	In 12 feet, off southeasterly tip of Sauvie Island. 45 37.2	122 47.6	100		Black and red rectangular daymark, upper half black, on dolphin.	15	Higher intensity beam up and down channel. Green over red reflectors.	1928–1960
	(For Multnomah Channel, see No. 2058)								
2076	St. Johns Railway Bridge Fog Signal.	On pivot pier protections of drawbridge. 45 34.6	122 44.8					HORNS (2): 2 blasts ev 10^s(2^{s}bl-1^{s}si-2^{s}bl-5^{s}si). Private aid.	1930
2077	SWAN ISLAND PIER C LIGHT E. Int. R., 4^s	On outer end of pier. 45 34.1	122 43.5	130			17	Private aid.	1954
2078	SWAN ISLAND PIER A LIGHT E. Int. R., 6^s	On outer end of pier. 45 34.1	122 43.4	130			17	Light obscured from 190° to 010°. Private aid.	1954
2079	SWAN ISLAND LOWER LIGHT Fl. G., 4^s	In 20 feet, near northwesterly end of island.				SB on white platform on dolphin.	15	Higher intensity beam up and down channel.	1928–1967
2080	SHAVER MOORING LIGHT E. Int. R., 6^s	In 13 feet, off outer end of mooring float. 45 33.6	122 43.4			Dolphin	12	Private aid.	1945–1960
2081	SWAN ISLAND MIDDLE LIGHT Fl. G., 4^s	In 25 feet 45 33.6	122 42.9			SB on white platform on dolphin.	25	Higher intensity beam up channel.	1930–1965
	PORTLAND TO ALBANY (Chart 6171)								
	Ross Island Buoy 1	In 20 feet 45 28.8	122 40.1			Black can		White reflector.	
	Stevens Point Buoy 2	In 12 feet				Red nun		Red reflector.	
	Stevens Point Buoy 4	In 12 feet, opposite The Oaks. Marks rocky ledge. 45 28.4	122 39.9			Red nun		Red reflector.	
	Stevens Point Buoy 5	In 16 feet				Black can		White reflector.	
	Powers Marine Park Buoy 6	In 10 feet				Red nun		Red reflector.	
2083	MILWAUKIE LIGHT 9 F. G.	In 1 foot, at Milwaukie, Oregon.		400		SB on white platform on dolphin.	15		1894–1965
	Elk Rock Buoy 8	In 20 feet, opposite Milwaukie.				Red nun		Red reflector.	
	Elk Rock Buoy 10	In 20 feet, marks edge of reef.				Red nun		Red reflector.	
2084	ELK ROCK ISLAND LIGHT 11 Fl. W., 4^s	On island, south of Milwaukie.				SB on skeleton tower	35		1894–1927
2084.11	OSWEGO NORTH PIER LIGHT F. R.	In 20 feet				Dolphin	10	Private aid.	1967
2084.13	OSWEGO SOUTH PIER LIGHT F. R.	In 20 feet				Dolphin	10	Private aid.	1967
	Thesing Range Front Daybeacon	On railroad bridge 45 25.5	122 39.2			White square daymark with red vertical stripe.		White reflector.	
	Thesing Range Rear Daybeacon	In 5 feet, 267 yards 224°30′ from front daybeacon.				White diamond daymark with red vertical stripe on dolphin.		White reflector.	
2085	CHRISTIE LIGHT 14 Fl. W., 4^s	On rocky point, west side of river, above Oswego, Oregon.		100		TR on white house	35	Higher intensity beam down channel. Obscured to northward of 220°.	1931–1934

(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER										
Willamette River										
PORTLAND TO ALBANY										
BINGHAM LANDING LIGHT 16 . . . **Fl. W., 4s**	On west shore of river 500 yards above Rocky Island.			 100	....	TR on white skeleton tower		10	Higher intensity beam up channel. Obscured to northward of 220°.	1907–1955
STARKWEATHER LANDING LIGHT 17. **Fl. W., 4s**	On shore, opposite north end of Cedar Island.			 100	....	SW on white house		15	Higher intensity beam down channel.	1907–1968
JENNINGS LODGE LIGHT 19 . . . . . **Fl. W., 4s**	On shore, opposite Cedar Island.			 100	....	SW on white skeleton tower		30	Higher intensity beam down channel.	1932–1944
CLACKMAS RAPIDS LIGHT 20 . . . . **Fl. W., 4s**	On west shore of river.			 100	....	TR on white skeleton tower		26		1894–1944
ROCK ISLAND CHANNEL										
—Buoy 1.	In 10 feet, 500 yards southerly of Tualatin River.	45 20.0	122 39. 1	....	....	Black can.			White reflector.	
—Buoy 2, 3, 5.	In 4 to 10 feet.			....	....	Odd numbered, black can; even numbered, red nun.			Odd numbered, white reflector; even numbered, red reflector.	
Rock Island Range Front Daybeacon.	On west shore, at Mile 29. 7.	45 19. 3	122 39. 8	....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Rock Island Range Rear Daybeacon. .	60 yards 213½° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
—Buoy 7, 9, 12, 13, 14, 15.	In 4 to 6 feet.			....	....	Odd numbered, black can; even numbered, red nun.			Odd numbered, white reflector; even numbered, red reflector.	
PORTLAND TO ALBANY										
New Era Bar Range Front Daybeacon.	On east shore, at Mile 32. 1, opposite Willow Island.	45 17. 3	122 39. 5	....	....	White square daymark with red vertical stripe on pole.			White reflector.	
New Era Bar Range Rear Daybeacon.	65 yards 174° from daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Rocky Reef Range Front Daybeacon.	On south shore, at Mile 33. 5 south of Walnut Eddy.	45 17. 7	122 40. 9	....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Rocky Reef Range Rear Daybeacon.	75 yards 309° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Upper Jackson Bar Range Front Daybeacon.	On north shore, at Mile 64. 6.			....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Upper Jackson Bar Range Rear Daybeacon.	55 yards 309° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Lincoln Rock Range Front Daybeacon.	On west shore, at Mile 77.			....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Lincoln Rock Range Rear Daybeacon.	105 yards 358° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Spongs Bar Range Front Daybeacon. .	On east shore, at Mile 77. 3.			....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Spongs Bar Range Rear Daybeacon.	125 yards 008° from front daybeacon.			....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks	Year
	COLUMBIA RIVER						
	Willamette River						
	PORTLAND TO ALBANY						
	Darrows Lower Range Front Daybeacon.	On east shore, at Mile 78.9.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Darrows Lower Range Rear Daybeacon.	50 yards, 146° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Darrows Middle Range Front Daybescon.	On east shore, at Mile 78.6.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Darrows Middle Range Rear Daybeacon.	135 yards, 350° from front daybeacon	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Darrows Upper Range Front Daybeacon.	On south shore, at Mile 80.2.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Darrows Upper Range Rear Daybeacon.	100 yards 158° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Lower Range Front Daybeacon.	On west shore, at Mile 80.1.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Lower Range Rear Daybeacon.	65 yards 176° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Middle Range Front Daybeacon.	On south shore, at Mile 80.2.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Middle Range Rear Daybeacon.	55 yards 133° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Upper Range Front Daybeacon.	On south shore, at Mile 80.1.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Rice Bar Upper Range Rear Daybeacon.	85 yards 275° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Keizer Bar Range Front Daybeacon.	On west shore, at Mile 80.2.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Keizer Bar Range Rear Daybeacon...	40 yards 205° from Front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Salem Bar Buoy 1	In 5 feet, northerly of island at Mile 83.0.	....	....	Black band on white oil drum ...	White reflector. Maintained from May 1 to Oct. 1.	
	Salem Bar Buoy 3	In 5 feet, southerly of island at Mile 83.6.	....	....	Black band on white oil drum ...	White reflector. Maintained from May 1 to Oct. 1.	
	Doves Bar Range Front Daybeacon ..	On south shore, at Mile 90.0	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Doves Bar Range Rear Daybeacon ...	37 yards 076° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Riverdale Bar Lower Range Front Daybeacon.	On west shore, at Mile 91.0.	....	....	White square daymark with red vertical stripe on pole.	White reflector. Maintai from May 1 to Oct. 1.	
	Riverdale Bar Lower Range Rear Daybeacon.	38 yards 213° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector. Maintai from May 1 to Oct. 1.	
	Riverdale Bar Upper Range Front Daybeacon.	On west shore, at Mile 91.2.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Riverdale Bar Upper Range Rear Daybeacon.	60 yards 006° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Budds Chute Lower Range Front Daybeacon.	On west shore, at Mile 92.7.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Budds Chute Lower Range Rear Daybeacon.	100 yards 223° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	Budds Chute Middle Range Front Daybeacon.	On west shore, at Mile 92.6.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	Budds Chute Middle Range Rear Daybeacon.	75 yards 020° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	
	East Independence Range Front Daybeacon.	On west shore, at Mile 93.1.	....	....	White square daymark with red vertical stripe on pole.	White reflector.	
	East Independence Range Rear Daybeacon.	90 yards 005° from front daybeacon.	....	....	White diamond daymark with red vertical stripe on pole.	White reflector.	

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
COLUMBIA RIVER									
Willamette River									
PORTLAND TO ALBANY									
Independence Bend Lower Range Front Daybeacon.	On west shore, at Mile 96.0.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Independence Bend Lower Range Rear Daybeacon.	38 yards 355° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Independence Bend Upper Range Front Daybeacon.	On east shore, at Mile 96.4.		....	....	White square daymark with red vertical stripe on pole.			White reflector. Maintained from May 1 to Oct. 1.	
Independence Bend Upper Range Rear Daybeacon.	38 yards 003° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector. Maintained from May 1 to Oct. 1.	
Mile 105 Range Front Daybeacon	On north shore, at Mile 105.2.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Mile 105 Range Rear Daybeacon	100 yards 253° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Lower Wells Island Range Front Daybeacon.	On north shore, at Mile 105.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Lower Wells Island Range Rear Daybeacon.	130 yards 035° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Middle Wells Island Range Front Daybeacon.	On west shore, at Mile 105.7.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Middle Wells Island Range Rear Daybeacon.	35 yards 010° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Buena Vista Pool Daybeacon 1	On west shore, at Mile 107.3.		....	....	Black square daymark on pole			Green reflector.	
Mile 111 Range Front Daybeacon	On west shore, at 111.1		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Mile 111 Range Rear Daybeacon	55 yards 331° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Black Dog Lower Range Front Daybeacon.	On west shore, at Mile 111.9.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Black Dog Lower Range Rear Daybeacon.	55 yards 333° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
Grovo Range Front Daybeacon	On north shore, at Mile 113.5.		....	....	White square daymark with red vertical stripe on pole.			White reflector.	
Grovo Range Rear Daybeacon	60 yards 240° from front daybeacon.		....	....	White diamond daymark with red vertical stripe on pole.			White reflector.	
WILLAPA BAY (Chart 6185)									
— *Approach Lighted Whistle Buoy W.* **Mo. (A) W.**	In 98 feet, westerly of Cape Shoalwater. 46 44.2	124 10.5	....	....	Black and white vertical stripes.			Ra ref.	
— *Entrance Lighted Bell Buoy 2* **Fl. R., 4^{s}**	In 30 feet		....	....	Red			Ra ref.	
— Entrance Buoy 3	In 29 feet		....	....	Black can			White reflector.	
— *Entrance Lighted Bell Buoy 4* **Fl. W., 4^{s}**	In 22 feet		 100	....	Red			Ra ref.	
— *Entrance Lighted Bell Buoy 5* **Fl. G., 4^{s}**	In 30 feet 46 41.9	124 07.1	....	....	Black			Ra ref. Maintained from June 1 to Sept. 15.	
— Entrance Buoy 5	In 29 feet		....	....	Black can			Maintained from Sept. 15. to June 1. White reflector.	
— *Entrance Lighted Bell Buoy 6* **Fl. R., 4^{s}**	In 21 feet		....	....	Red				
— *Entrance Lighted Whistle Buoy 8* **Fl. W., 4^{s}**	In 25 feet		 120	....	Red			Ra ref.	
— *Entrance Lighted Bell Buoy 8A* **Fl. R., 4^{s}**	In 23 feet 46 43.4	124 05.2	....	....	Red			Ra ref.	
— *Entrance Lighted Bell Buoy 10* **Qk. Fl. R.**	In 42 feet, marks shoal.		....	....	Red				

(1) No.	(2) Name Characteristic	(3) Location		(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	 Ht. above water	(7) Remarks	 Year
		Lat. N.	Long. W.						
	WILLAPA BAY								
2096 98	—**Light** .... **Fl. W.**, 10ˢ (2ˢfl)	On Cape Shoalwater, on Coast Guard Lookout Tower. 46 44.1	 124 04.6	15 15,000	17	Orange square daymark below white house on skeleton tower. 64	113	Light is displayed 1 hou before sunset to 1 ho after sunrise. RADIOBEACON: Antenn 23 yards 157° from lig tower. See p. XVIII for method of operatior	1858–195
2097	— *Entrance Lighted Buoy 10A.* **Fl. R.**, 4ˢ	In 60 feet 46 42.9	 124 03.3	....	....	Red		Ra ref.	
2098	— *Entrance Lighted Bell Buoy 12* .. **Fl. W.**, 4ˢ	In 60 feet		 125	....	Red			
2098.51	— *Entrance Lighted Bell Buoy 13* .. **Fl. G.**, 4ˢ	In 62 feet		....	....	Black			
2099	— *Channel Lighted Bell Buoy 14* ... **Fl. R.**, 4ˢ	In 82 feet		 100	....	Red			
	(For South Willapa Bay, see No. 2130)								
	(For Bay Center Channel, see No. 2137)								
2100	— *Channel Lighted Buoy 16* .... **Fl. R.**, 4ˢ	In 26 feet		....	....	Red			
	(For Pine Island Channel, see after No. 2140).								
2101	CEDAR RIVER FLATS LIGHT ... **Fl. W.**, 4ˢ	In 30 feet, southeasterly of Toke Point. 46 42.3	 123 57.6	 100	....	TR on white cylindrical house on dolphin.	20		1912–195
2102.11	TOKE POINT JETTY LIGHT 1 ... **Fl. W.**, 4ˢ	On jetty, marks south side of entrance to mooring basin. 46 42.5	 123 57.9	 100	....	SW on platform on piles	13		197
	Toke Point Basin Buoy 2	In 10 feet, at north side of entrance to mooring basin. 46 42.5	 123 57.9	....	....	Red nun		Ra ref. Red reflector.	
	WILLAPA RIVER								
2103	—LIGHT 1 .... **Fl. W.**, 4ˢ	In 15 feet 46 41.8	 123 57.6	 100	....	SB on white platform on dolphin.	15		19
2104	— *Channel Lighted Buoy 2*......... **Fl. W.**, 4ˢ	In 27 feet........... 46 41.6	 123 57.5	....	....	Red........................	11		
2105	—RANGE A FRONT LIGHT ..... **Qk. Fl. W.**	In 10 feet 46 41.6	 123 57.3	....	....	KRW on dolphin	16	900 cp on rangeline wit lower intensity elsewhere.	1939–19
2106	—RANGE A REAR LIGHT .... **E. Int. W.**, 6ˢ	In 5 feet, 640 yards 259° from front light.		....	...	KRW on dolphin	29	3,000 cp visible 4° eac side of rangeline .	1935–19
2107	—CHANNEL LIGHT 7 .... **Fl. G.**, 4ˢ	In 20 feet		....	....	SB on white platform on dolphin.	15		1936–19
2108	—LIGHT 8 .... **Fl. R.**, 4ˢ	In 14 feet		....	....	TR on white conical house on dolphin.	20		1908–19
	(For North River, see before No. 2141).								
2109	—CHANNEL LIGHT 10 .... **Fl. W.**, 4ˢ	In 15 feet		....	....	TR on white platform on dolphin.	15		19
2110	—LIGHT 13 .... **Fl. G.**, 4ˢ	In 20 feet		....	....	SB on white cylindrical house on dolphin.	28		1936–19

	(2) Name Characteristic	(3) Location Lat. N.	Long W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	WILLAPA BAY								
	WILLAPA RIVER								
	—RANGE B FRONT LIGHT **Qk. Fl. W.**	In 18 feet, northwesterly of Range Point. 46 42.6	123 51.2	....	....	KWR on pile structure		1,600 cp on rangeline lower intensity elsewhere.	1908–1943
	—RANGE B REAR LIGHT **E. Int. W., 6^{s}**	On mud flat, 1,240 yards 074°30′ from front light.		....	....	KWR on skeleton tower on pile structure.	56	3,000 cp visible 4° each side of rangeline.	1908–1942
	—Daybeacon 15	In 9 feet		....	....	SB on pile			
	—CHANNEL LIGHT 19 **Fl. W., 4^{s}**	In 20 feet		100	....	SW on white platform on dolphin.	15	Higher intensity beam up and down channel. Green reflector.	1963
	—Daybeacon 22	In 11 feet		....	....	TR on pile			
	—*Channel Lighted Buoy 24* **Fl. R., 4^{s}**	In 17 feet		....	....	Red			
	—Daybeacon 26	In 7 feet		....	....	TR on pile			
	—Daybeacon 28	In 10 feet		....	....	TR on pile			
	—*Channel Lighted Buoy 29* **Fl. W., 4^{s}**	In 14 feet		....	....	Black			
	—Daybeacon 30	In 8 feet		....	....	TR on pile			
	—Channel Buoy 31	In 18 feet		....	....	Black can		White reflector.	
	—LIGHT 33 **Fl. G., 4^{s}**	In 14 feet, east of Range Point.		....	....	SB on white box on dolphin	22	Higher intensity beam up and down channel.	1916–1939
	—*Channel Lighted Buoy 35* **Fl. W., 4^{s}**	In 14 feet		....	....	Black			
	—LIGHT 39 **Fl. G., 4^{s}**	In 10 feet, at entrance to Mailboat Slough.		....	....	SB on white cylindrical house on dolphin.	18	Higher intensity beam up and down channel.	1936–1964
	—CHANNEL LIGHT 40 **Fl. R., 4^{s}**	In 15 feet		....	....	TR on white platform on dolphin.	15		1963
	—Range C Front Daybeacon	On shore, opposite Seahaven. 46 41.4	123 49.1	....	....	KRW on pole			
	—Range C Rear Daybeacon	215 yards 350°45′ from front daybeacon.		....	....	KRW on pole			
	—CHANNEL LIGHT 44 **Fl. R., 4^{s}**	In 18 feet, 130 feet outside channel limit.		....	....	TR on white platform on dolphin.	15	Higher intensity beam up and down channel.	1959
	—CHANNEL LIGHT 51 **Fl. G., 4^{s}**	In 18 feet, 80 feet outside channel limit.		....	....	SB on white platform on dolphin.	15		1950
	—CHANNEL LIGHT 52 **Fl. R., 4^{s}**	In 18 feet, 40 feet outside channel limit.		....	....	TR on white platform on dolphin.	15	Higher intensity beam up channel.	1959
	—Channel Buoy 54	In 14 feet		....	....	Red nun		Red reflector.	
	—CHANNEL LIGHT 55 **Fl. G., 4^{s}**	On shore		....	....	SB on white box	16		1959
	—CHANNEL LIGHT 56 **Qk. Fl. R.**	In 16 feet, 70 feet outside channel limit.		....	....	TR on white platform on dolphin.	15		1959
	—RANGE D FRONT LIGHT **Qk. Fl. R.**	In 1 foot, 310 feet outside channel limit. 46 40.7	123 45.7	....	....	KWR on pile structure	20	300 cp on range line with lower intensity elsewhere.	1959
5	—RANGE D REAR LIGHT **E. Int. R., 6^{s}**	On shore; 220 yards 087°57′ from front light.		....	....	KWR on skeleton tower	37	600 cp visible 4° each side of rangeline.	1959

(1)	(2)	(3)	(4)	(5)	(6)		(7)	
	Name	Location	Nominal	Geo-	Structure			
No.	Characteristic	Lat. N. Long. W.	Range Intensity	graphic Range	Ht. above ground	Ht. above water	Remarks	Year

WASHINGTON

THIRTEENTH DISTRICT

	WILLAPA BAY							
	WILLAPA RIVER							
2127	—RANGE E FRONT LIGHT ..... **Qk. Fl. W.**	In 2 feet, below South Fork. 120 feet outside channel limit. 46 41.2 123 45.0	....	....	KWR on pile structure	16	9,000 cp on rangeline wit lower intensity elsewhere.	1959
2128	—RANGE E REAR LIGHT .... **E. Int. W., 6ˢ**	On shore, 105 yards 052°25′ from front light.	....	....	KWR on skeleton tower	25	2,900 cp visible 4° each side of rangeline.	195
2129	—CHANNEL LIGHT 59 .... **Fl. W., 4ˢ**	In 10 feet	 100	....	SB on white platform on dolphin.	15	Higher intensity beam up channel.	196
	SOUTH WILLAPA BAY							
2130	SANDY POINT LIGHT 1 .... **Fl. W., 4ˢ**	In 11 feet, northwesterly of Sandy Point. 46 36.6 123 58.4	 100	....	SB on white box on dolphin	22	Higher intensity beam up channel.	1908–193
	Sandy Point Buoy 2...............	In 25 feet, southwesterly of Sandy Point.	....	....	Red nun		Red reflector.	
	NAHCOTTA CHANNEL							
2131	RIDDLE SPIT LIGHT 4 .... **Fl. W., 4ˢ**	In 19 feet, east of spit. 46 34.3 123 58.6	5 100	9	TR on white conical house on dolphin.	22		1921–193
	—Buoy 5........................	In 48 feet, marks Long Island shoal.	....	....	Black can.....................		White reflector.	
2132	LONG ISLAND JUNCTION LIGHT. **I. Qk. Fl. W.**	In 14 feet, 2 miles northerly of Diamond Point. 46 31.9 123 58.6	 130	....	Black and red rectangular daymark, upper half black, white house on dolphin.	30	Higher intensity beam u and down channel. Green over red reflecto	1912–1939
2133	NAHCOTTA MOORING BASIN LIGHT 2. **Fl. R., 4ˢ**	In 10 feet marking northeasterly entrance to mooring basin.	 110	....	TR on white platform on pile ...	15	Higher intensity beam down channel.	1958
2134	NAHCOTTA MOORING BASIN LIGHT 1. **Qk. Fl. W.**	In 1 foot, marking southeasterly entrance to mooring basin.	....	....	SB on white platform on pile ...	15		1958
	—Buoy 7........................	In 18 feet, northwesterly of Diamond Point.	....	....	Black can....................		White reflector.	
	—Buoy 9........................	In 32 feet...........	....	....	Black can.....................		White reflector.	
	—Buoy 11.....................	In 30 feet, southwesterly of Diamond Point.	....	....	Black can.....................		White reflector.	
	—Buoy 13.....................	In 30 feet, southerly of Jensen Point.	....	....	Black can.....................		White reflector.	
	—Buoy 14.....................	In 38 feet, west of Smoky Hollow.	....	....	Red nun......................		Red reflector.	
	—Buoy 15.....................	In 20 feet, west of Pinnacle Rock.	....	....	Black can.....................		White reflector.	
	STANLEY CHANNEL							
	—Buoy 2.......................	In 22 feet, northerly of Diamond Point. 46 31.3 123 58.5	....	....	Red nun......................		Red reflector.	
2135	—LIGHT 4 .... **Fl. R., 4ˢ**	In 15 feet 46 29.0 124 57.8	....	....	TR on white platform on dolphin.	15	Higher intensity beam up and down channel.	1963
2136	STANLEY POINT JUNCTION LIGHT. **I. Qk. Fl. W.**	In 10 feet, off point..	....	....	Red and black rectangular daymark with pyramidal top on pile.	15	Higher intensity beam dov channel. Red over green reflectors.	1963

WASHINGTON

THIRTEENTH DISTRICT

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
WILLAPA BAY									
NEMAH RIVER CHANNEL									
— Entrance Daybeacon 1	In 15 feet, northwesterly of Ramsey Point. 46 34.6	123 56.8		....	SW on dolphin				
— Daybeacon 2	In 18 feet, west of Ramsey Point.		....	...	TR on pile			Private aid.	
— Daybeacons 4, 6, 8, 10, 12, 14, 16, 18, 20, 22.	In from 4 to 16 feet, northerly of Needle Point.			....	TR on pile			Private aids.	
BAY CENTER CHANNEL									
— *Entrance Lighted Buoy* **Mo. (A) W.**	In 52 feet		....	....	Black and white vertical stripes.				
— DIRECTIONAL LIGHT **E. Int. W., R. & G. sectors, 6^s** **Fl. W., 4^s**	In 1 foot, northwesterly of Goose Point. 46 38.4	123 58.2	W 3,000 R&G 450	....	TR on dolphin	15	21	White 1° each side of centerline of channel (bearing 242°); red when left; and green when right of white beam when outbound.	1939
Bay Center Channel Range Front Daybeacon.	In 8 feet marks entrance to channel.		....		KWR on dolphin			Private aid.	
Bay Center Channel Range Rear Daybeacon.	In 2 feet, 320 yards 110° from Front Daybeacon.		....	....	KWR on dolphin				
— Buoy 2, 3, 4, 6, 8	In 10 to 20 feet		....	....	Odd numbered, black can; even numbered, red nun.			Odd numbered, white reflector; even numbered, red reflector.	
— LIGHT **Fl. W., 4^s**	In 7 feet, northwest of Wilson Point.		 100	....	SB on white cylindrical house on dolphin.		18	Higher intensity beam down channel.	1939
PALIX RIVER LIGHT **Fl. G., 4^s**	In 1 foot, southerly of Wilson Point. 46 37.9	123 56.5	....	...	SB on white cylindrical house on dolphin.				1938–1939
PINE ISLAND CHANNEL									
— Daybeacons 2, 4, 6, 8, 10, 12	In from 1 to 15 feet, southerly of Toke Point.		....	....	Red diamond daymark on pile			Private aids.	
NORTH RIVER CHANNEL									
— Daybeacons 2, 4, 6, 8, 10, 12, 14, 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30.	In from 1 to 18 feet, east and northeasterly of Hawks Point.		....	....	Even numbered, red diamond daymark on pile; odd numbered, black triangular daymark on pile.			Private aids.	
GRAYS HARBOR (Chart 6195)									
— LIGHT **Alt. Fl. R. & W., 30^s** 0.1Rfl., 14.9^sec. 0.1^sWfl., 14.9^sec. Resident Personnel.	On seaward side of Point Chehalis. 46 53.3	124 06.9	23W 300,000 22R 200,000	17	White truncated octagonal pyramidal tower.	107	123	Light is displayed 1 hour before sunset to 1 hour after sunrise. MARKER RADIOBEACON: Antenna 2,400 yards 010° from light. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 15^s (2^sbl). Fog signal is located 2,200 yards 331° from light tower.	1898

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	GRAYS HARBOR										
2142 101	— *Approach Lighted Whistle Buoy GH.* **Mo. (A) W.**	In 125 feet, on rangeline, 1 mile outside bar.	46 51.9	124 14.3	130		Black and white vertical stripes.			Ra ref.	
2144	— BAR RANGE FRONT LIGHT **Qk. Fl. W.**	On Point Brown	46 55.9	124 09.6			KWR on skeleton tower	15	24	1,600 cp visible 4° each side of rangeline.	1924–1967
2145	— BAR RANGE REAR LIGHT **E. Int. W., 6^{s}**	457 yards 039° from front light.					KWR on skeleton tower	46	55	3,000 cp visible 4° each side of rangeline.	1924–1967
2146	— *Entrance Lighted Whistle Buoy 2.* **Fl. R., 4^{s}**	In 74 feet					Red			Ra ref.	
2147	— *Entrance Lighted Whistle Buoy 3.* **Fl. W., 4^{s}**	In 80 feet	46 55.0	124 14.7	100		Black			Ra ref.	
2148	— *Entrance Lighted Whistle Buoy 4.* **Fl. W., 4^{s}**	In 45 feet			120		Red			Ra ref.	
2148.11	— *Entrance Lighted Gong Buoy 5.* **Fl. G., 4^{s}**	In 40 feet					Black			Ra ref.	
2149	— *Entrance Lighted Whistle Buoy 6.* **Fl. R., 4^{s}**	In 40 feet					Red				
2150	— *Entrance Lighted Bell Buoy 9.* **Fl. G., 4^{s}**	In 44 feet					Black			Ra ref.	
2151	— *Entrance Lighted Whistle Buoy 8.* **Qk. Fl. R.**	In 45 feet					Red			Ra ref.	
2152	POINT CHEHALIS RANGE FRONT LIGHT. **F. R.**	In 12 feet					KWR on pile structure		27	13,000 cp visible 3° each side of rangeline.	1913–1968
2153	POINT CHEHALIS RANGE REAR LIGHT. **F. R.**	330 yards 093° from front light.					KWR on skeleton tower		51	45,000 cp visible 3° each side of rangeline.	1913–1968
2154	— *Channel Lighted Whistle Buoy 11.* **Fl. W., 4^{s}**	In 25 feet			100		Black			Ra ref.	
2155	— *Channel Lighted Whistle Buoy 13.* **Fl. W., 4^{s}**	In 59 feet			100		Black				
2156	— *Junction Lighted Bell Buoy A.* **I. Qk. Fl. R.**	In 41 feet					Red and black horizontal bands.				
	(For South Channel, see No. 2204)										
	(For South Bay Channel, see No. 2209)										
2157	— *North Channel Lighted Bell Buoy 15.* **Fl. G., 4^{s}**	In 48 feet					Black				
2158	— *North Channel Lighted Bell Buoy 16.* **Fl. R., 4^{s}**	In 33 feet					Red				
2159	— NORTH CHANNEL RANGE A FRONT LIGHT. **Qk. Fl. W.**	In 12 feet, south of San Island Shoal.	46 56.3	124 03.2			KWR on pile structure		17	1,000 cp on rangeline with lower intensity elsewhere.	1949
2160	— NORTH CHANNEL RANGE A REAR LIGHT. **E. Int. W., 6^{s}**	In 10 feet, 525 yards 082° from front light.					KWR on skeleton tower on pile structure.		43	1,300 cp visible 4° each side of rangeline.	1949–1960
2160.11	RANGE A LEFT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**						White diamond daymark on dolphin.			Range marks edge of channel for dredging purposes.	1971

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	GRAYS HARBOR									
12	RANGE A LEFT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	....		....	....	White diamond daymark on dolphin.				1971
13	RANGE A RIGHT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**	....		....	....	White diamond daymark on dolphin.			Range marks edge of channel for dredging purposes.	1971
14	RANGE A RIGHT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	....		....	....	White diamond daymark on dolphin.				1971
	—North Channel Buoy 17	In 22 feet		....	....	Black can			White reflector.	
	—*North Channel Lighted Bell Buoy 18.* **Fl. W., 4^s**	In 21 feet		100	....	Red				
	—*North Channel Lighted Buoy 20* **Fl. R., 4^s**	In 30 feet		....	....	Red				
	—North Channel Buoy 21	In 45 feet		....	....	Black can			White reflector.	
	—*North Channel Lighted Buoy 22* **Fl. W., 4^s**	In 31 feet		100	....	Red				
	—*North Channel Lighted Bell Buoy 24* **Fl. R., 4^s**	In 26 feet		....	....	Red				
	—*North Channel Lighted Bell Buoy 25.* **Fl. G., 4^s**	In 18 feet		....	....	Black				
5	—*North Channel Lighted Bell Buoy 26.* **Qk. Fl. R.**	In 27 feet		....	....	Red			Ra ref.	
.22	SAND ISLAND SHOAL EAST REACH RANGE FRONT LIGHT. **Qk. Fl. G.**	In 5 feet 46 56.3	124 03.7	....	....	KRB on pile structure		15	500 cp on rangeline with lower intensity elsewhere.	1970
.23	SAND ISLAND SHOAL EAST REACH RANGE REAR LIGHT. **E Int. G., 6^s**	167 yards 299°06′ from front light.		....	....	KRW on pile structure		31	1,500 cp visible 4° each side of rangeline.	1970
.33	EAST REACH LEFT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**	....		....	....	White diamond daymark on dolphin.			Range marks edge of channel for dredging purposes.	1971
.34	EAST REACH LEFT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	1,500 feet 299° from front light.		....	....	White diamond daymark on dolphin.				1971
5.35	EAST REACH RIGHT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**	....		....	....	White diamond daymark on dolphin.			Range marks edge of channel for dredging purposes.	1971
5.36	EAST REACH RIGHT CUT CREDGING RANGE REAR LIGHT. **E. Int. Amber**	1,500 feet 299° from front light.		....	....	White diamond daymark on dolphin.				1971
7	—*North Channel Lighted Gong Buoy 29.* **Fl. W., 4^s**	In 31 feet		100	....	Black				
8	—NORTH CHANNEL RANGE B FRONT LIGHT. **Qk. Fl. W.**	In 22 feet 46 55.6	124 01.4	....	....	KWR on pile structure		23	900 cp on rangeline with lower intensity elsewhere.	1927–1969
9	—NORTH CHANNEL RANGE B REAR LIGHT. **E. Int. W., 6^s**	In 1 foot, 1011 yards 222°24′ from front light.		....	....	KWR on skeleton tower on pile structure.		48	3,000 cp visible 4° each side of rangeline.	1952–1969
9.11	RANGE B LEFT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**	....		....	....	White diamond daymark on dolphin.			Range marks edge of channel for dredging purposes.	1971
9.12	RANGE B LEFT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	1,035 yards 223° from front light.		....	....	White diamond daymark on dolphin.				1971

WASHINGTON

THIRTEENTH DISTRICT

GRAYS HARBOR

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
2169.13	RANGE B RIGHT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**				White diamond daymark on dolphin.		Range marks edge of channel for dredging purposes.	1971
2169.14	RANGE B RIGHT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	525 yards 221° from front light.			White diamond daymark on dolphin.			1971
2170	—*North Channel Lighted Bell Buoy 31.* **Fl. W., 4^{s}**	In 30 feet	100		Black			
2171	—*North Channel Lighted Buoy 32.* **Fl. R., 4^{s}**	In 38 feet			Red			
2172	—NORTH CHANNEL RANGE C FRONT LIGHT. **Qk. Fl. W.**	In 17 feet 46 57.8 123 58.6			KWR on pile structure	22	3,500 cp visible 4° each side of rangeline.	1927–1959
2173	—NORTH CHANNEL RANGE C REAR LIGHT. **Occ. W., 6^{s}(4^{s}lt)**	In 1 foot, 600 yards 043° from front light.			KWR on tower on pile structure.	40	4,000 cp visible 4° each side of rangeline.	1927–1942
2173.11	RANGE C LEFT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**				White diamond daymark on dolphin.		Range marks edge of channel for dredging purposes.	1971
2173.12	RANGE C LEFT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	420 yards 043° from front light.			White diamond daymark on dolphin.			1971
2173.13	RANGE C RIGHT CUT DREDGING RANGE FRONT LIGHT. **Qk. Fl. Amber**				White diamond daymark on dolphin.		Range marks edge of channel for dredging purposes.	1971
2173.14	RANGE C RIGHT CUT DREDGING RANGE REAR LIGHT. **E. Int. Amber**	400 yards 042° from front light.			White diamond daymark on dolphin.			1971
	—North Channel Buoy 33	In 18 feet			Black can		White reflector.	
	—North Channel Buoy 34	In 30 feet			Red nun		Red reflector.	
	—North Channel Buoy 35	In 26 feet			Black can		White reflector.	
2174	—*North Channel Lighted Buoy 36.* **Fl. R., 4^{s}**	In 40 feet			Red		Ra ref.	
2175	—NORTH CHANNEL RANGE D FRONT LIGHT. **Qk. Fl. W.**	In 12 feet 46 57.5 123 59.4			KRW on pile structure	29	8,000 cp visible 2° each side of rangeline.	1928–1965
2176	—NORTH CHANNEL RANGE D REAR LIGHT. **E. Int. W., 6^{s}**	In 7 feet, 665 yards 255° from front light.			KRW on pile structure	47	15,000 cp visible 2° each side of rangeline.	1928–1969
2177	—NORTH CHANNEL RANGE E FRONT LIGHT. **Qk. Fl. G.**	In 14 feet 46 58.2 123 55.0			KWR on pile structure	20	1,500 cp visible 4° each side of rangeline.	1938–1947
2178	—NORTH CHANNEL RANGE E REAR LIGHT. **E. Int. G., 6^{s}**	On mux flat 665 yards 075° from front light.			KWR on pile structure	56	3,000 cp visible 4° each side of rangeline.	1928–1969
	—North Channel Buoy 37	In 30 feet			Black can		White reflector.	
	—North Channel Buoy 38	In 30 feet			Red nun		Red reflector.	
	—North Channel Buoy 40	In 35 feet			Red nun		Red reflector.	
2179	—*North Channel Lighted Buoy 41.* **Fl. G., 4^{s}**	In 22 feet			Black			
	—North Channel Buoy 42	In 38 feet			Red nun		Red reflector.	
2180.11	—*North Channel Lighted Buoy 46.* **Fl. R., 4^{s}**	In 20 feet, marks turn in channel. 46 57.4 123 50.2 46 58.1 123 55.3			Red	15	Ra ref.	
2181	—NORTH CHANNEL RANGE F FRONT LIGHT. **Qk. Fl. W.**	On shore 46 58.2 123 55.7			KWR on pile structure	27	900 cp on rangeline with lower intensity elsewhere.	1928–1968

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	GRAYS HARBOR								
	— NORTH CHANNEL RANGE F REAR LIGHT. E. Int. W., 6^s	235 yards 274° from front light.		....	....	KWR on pile structure	35	3,000 cp visible 4° each side of rangeline.	1928–1947
	— NORTH CHANNEL LIGHT 50 .. Fl. R., 4^s	In 15 feet		....	....	TR on white platform on dolphin.	15	Higher intensity beam up channel.	1963–1966
	—North Channel Buoy 54..........	In 26 feet, marks turn in channel.		....	....	Red nun.....................		Red reflector.	
	COW POINT REACH RANGE G .... FRONT LIGHT. Qk. Fl. W.	In 10 feet 46 57.4	123 50.2	....	....	KRB on dolphin. On same structure as Aberdeen Range K Front Light.	15	700 cp on rangeline with lower intensity elsewhere.	1963
	COW POINT REACH RANGE G REAR LIGHT. E. Int. W., 6^s	600 yards 120° from front light.		....	....	KRB on dolpbin	27	3,000 cp visible 4° each side of rangeline.	1963
	— NORTH CHANNEL LIGHT 57 .. Fl. G., 4^s	In 22 feet, westerly of Cow Point.		....	....	SB on white platform on dolphin.	15		1921–1968
9	COW POINT PIER LIGHTS .... 2 F. G.	On southwest and southeast corners of piers.		....	....	....	15	Private aids.	1966
1	COW POINT REACH RANGE H FRONT LIGHT. Qk. Fl. R.	In 4 feet, southeasterly of Cow Point. 46 57.6	123 49.4	....	....	KWR on pile structure	15	5,000 cp visible 2° each side of rangeline.	1966
3	COW POINT REACH RANGE H REAR LIGHT. E. Int. R., 6^s	500 yards 091° from front light.		....	....	KWR on pile structure	26	10,000 cp visible 2° each side of rangeline.	1966
2	COW POINT REACH RANGE J FRONT LIGHT. Qk. Fl. G.	In 2 feet 46 57.9	123 49.0	....	....	KRB on pile structure	16	500 cp on rangeline with lower intensity elsewhere.	1971
3	COW POINT REACH RANGE J REAR LIGHT. E. Int. G., 6^s	On shore, 283 yards 071°48′ from front light.		....	....	KRB on skeleton tower	26	2,000 cp visible 2° each side of rangeline.	1971
	ABERDEEN REACH RANGE K FRONT LIGHT. Qk. Fl. W.	In 10 feet 46 57.4	123 50.2	....	....	KRB on dolphin. On same structure as Cow Point Reach G Range Front Light.	15	700 cp on rangeline with lower intensity elsewhere.	1963
	ABERDEEN REACH RANGE K REAR LIGHT. E. Int. W., 6^s	1,000 yards 232° from front light.		....	....	KRB on dolphin	30	1,300 cp visible 2° each side of rangeline.	1963
	— NORTH CHANNEL LIGHT 61 .. Fl. W., 4^s	In 15 feet 46 57.9	123 49.5	 100	....	SB on white platform on dolphin.	15	Higher intensity beam up channel. Green reflector.	1957
	ABERDEEN HARBOR LIGHT 1 ... Qk. Fl. G.	In 16 feet 46 58.5	123 48.3	 140	....	SB on white platform on dolphin.	20		1958
	ABERDEEN HARBOR LIGHT 3 ... Fl. W., 4^s	In 35 feet 46 58.7	123 47.6	 100	....	SB on white platform on dolphin.	20	Higher intensity beam down river.	1957
	CHEHALIS RIVER								
11	STANDARD OIL COMPANY WEST DOCK LIGHT. F. R.	In 35 feet at west end of dock.		....	....	Pile	15	Private aid.	1968–1970
13	STANDARD OIL COMPANY EAST DOCK LIGHT. F. R.	In 35 feet at east of dock.		....	....	Pile	15	Private aid.	1968–1970

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
		WASHINGTON					THIRTEENTH DISTRICT	
	GRAYS HARBOR							
	CHEHALIS RIVER							
	— Range 2 Front Daybeacon	On shore 46 58.2 123 46.8			White square daymark with red vertical stripe on skeleton tower.	14		
	— Range 2 Rear Daybeacon	70 yards 332°30′ from front daybeacon.			White diamond daymark with red vertical stripe on skeleton tower.	20		
2196.11	— LIGHT 4 **Fl. W., 4^s**	On shore, at Cosmopolis. 46 57.4 123 46.0	100		TR on skeleton tower	15	Higher intensity beam up and down river.	1966
2198	— LIGHT 6 **Fl. R., 4^s**	In 4 feet, 1 mile above Cosmopolis.			TR on white house on dolphin	18		1930–1941
2199	— LIGHT 8 **Fl. R., 4^s**	On shore, at bend in river.			TR on white box on platform	12		1941–1960
2200	— LIGHT 10 **Fl. R., 4^s**	In 5 feet, off east end of Sand Island.			TR on white platform on dolphin.	15		1930–1944
2201	— LIGHT 11 **Fl. G., 4^s**	In 11 feet, opposite Preachers Slough.			SB on white house on dolphin	18		1930–1941
2202	— LIGHT 13 **Fl. W., 4^s**	In 10 feet, on south side of Higgins Island.			SB on white platform on dolphin.	15		1930–1944
	(For North Channel, see No. 2156)							
	GRAYS HARBOR							
2204	— SOUTH CHANNEL LIGHT 2 **Fl. R., 4^s**	In 4 feet 46 55.1 124 04.9			TR on white platform on dolphin.	15	Higher intensity beam up and down channel.	1961
	— South Channel Daybeacon 2A	In 8 feet			TR on pile			
	— South Channel Daybeacon 4	In 8 feet			TR on pile			
2205	JOHNS RIVER ENTRANCE LIGHT 8. **Fl. R., 4^s**	In 15 feet, westerly of Stearns Bluff (South Arbor), marking channel to Johns River.			TR on white platform on dolphin.	15	Higher intensity beam up and down channel.	1944
2205.22	— SOUTH CHANNEL LIGHT 6 **E. Int. W., 6^s**	In 1 foot	160		TR on skeleton tower. On same structure as North Channel Range B Rear Light.	15		1969
	Johns River Daybeacon 1	In 6 feet, northerly of Markham.			SB on pile			
	John River Daybeacon 3	In 5 feet			SB on pile			
2206	— SOUTH CHANNEL LIGHT 12 **Fl. R., 4^s**	In 6 feet			TR on white platform on dolphin.	15		1957
2207	— SOUTH CHANNEL LIGHT 13 **Fl. G., 4^s**	In 11 feet 46 56.3 123 54.7			SB on white platform on dolphin.	15	Higher intensity beam up channel.	1938–1945
	— South Channel Daybeacon 14	In 5 feet			TR on pile			
	— South Channel Daybeacon 18	In 5 feet			TR on pile			
	Charley Creek Dike Daybeacon 2 **Fl. R., 4^s**	In 11 feet, northerly of mouth of creek. 46 57.4 123 50.6			TR on dolphin			

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year

BRITISH COLUMBIA AND WASHINGTON

THIRTEENTH DISTRICT

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	GRAYS HARBOR									
	SOUTH BAY CHANNEL									
	POINT CHEHALIS LIGHT 2 ...... **Qk. Fl. W.**	50 feet from outer end of west groin.	46 54.8	124 07.1	....	....	TR on white platform on pile ...	15	Higher intensity beam down channel.	1952
	POINT CHEHALIS LIGHT 4...... **Fl. W., 4^s**	In 5 feet, on outer end of groin.	46 54.8	124 06.7	 100	....	TR on white platform on dolphin.	15	Higher intensity beam down channel.	1950
	POINT CHEHALIS LIGHT 6 ...... **Fl. R., 4^s**	In 5 feet, on outer end of east groin.			....	....	TR on white platform on pile ...	15	Higher intensity beam up and down channel.	1950–1963
	WESTHAVEN OUTER BREAKWATER NORTH LIGHT. **Fl. R., 4^s**	On north end of outer breakwater.	46 54.6	124 06.4	....	....	TR on white platform on pile ...	15	Higher intensity beam up channel.	1950
	WESTHAVEN OUTER BREAKWATER SOUTH LIGHT. **Qk. Fl. W.**	On south end of outer breakwater.			....	....	TR on white platform on pile ...	15		1950
	WESTHAVEN SOUTH BREAKWATER LIGHT. **Fl. G., 4^s**	At northern end of South Breakwater.			....	....	SB on white platform on dolphin.	16		1957–1965
	—Buoy 1......................	In 17 feet, west of Whitcomb Flats.			....	....	Black can.....................		White reflector.	
	—Buoy 3......................	In 40 feet...........			....	....	Black can.....................		White reflector.	
	—Junction Buoy.................	In 15 feet, at junction with Johns River Cutoff Channel.			....	....	Black and red horizontal bands; can.		White reflector.	
	—Buoy 4......................	In 24 feet...........			....	....	Red nun.....................		Red reflector.	
	—Buoy 5......................	In 22 feet, opposite Westport Wharf Light.			....	....	Black can.....................		White reflector.	
	—Daybeacons 6, 8, 10, 12, 14, 16.	In 12 to 25 feet			....	....	TR on pile			
	QUILLAYUTE RIVER (Chart 6102)									
	James Island Lighted Whistle Buoy 2JI. **Fl. W., 4^s**	In 115 feet	47 52.4	124 42.6	 160	....	Red			
	—Approach Whistle Buoy Q........	In 84 feet, off mouth of river.	47 53.4	124 40.1	....	....	Black and white vertical stripes.		White reflector. (Also listed on page 13).	
	JAMES ISLAND LIGHT.......... **Fl. W., $5^s(1^s fl)$**	On south end of island	47 54.3	124 38.8	11 1,800	18	White house.................	150	HORN, diaphragm; 2 blasts ev 30^s (2^s bl-2^s si-2^s bl-24^s si). Obscured from 068° to 101° and from 111° to 293°.	1924–1938
09	—DIRECTIONAL LIGHT .... **E. Int. W., R&G. Sectors, 6^s**	In 4 feet, marks turn in channel.	47 54.5	124 38.6	W 3,000 R&G 450	....	Red and white checkered diamond daymark on pile structure.	15	White 1° each side of centerline of channel (bearing 356°); red when right and green when left of white beam when entering from seaward. White reflector.	1966–1968
10	—*Entrance Lighted Bell Buoy 2*.. **Fl. R., 4^s**	In 45 feet..........	47 53.7	124 38.7	....	....	Red........................		Ra ref. Replaced by nun with red reflector from Sept. 15 to May 1.	
11	—ENTRANCE LIGHT 3 .... **Fl. W., 4^s**	On rock............	47 54.4	124 38.7	 100	....	SB on white box on platform	23	Obscured from 000° to 210°. Higher intensity beam upstream.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	QUILLAYUTE RIVER								
2216.13	— LIGHT 5 **E. Int. W., 6^s**	In 4 feet	 160	....	SB on pile structure. On same structure as Quillayute River Directional Light.		10	Visible from 244° to 340°.	1967–1968
	— Buoy 6	In 6 feet. Marks centerline of Marine Railway.	....	....	Red nun			Ra ref. Red reflector.	
2216.15	**— Marker Radiobeacon**	At Coast Guard Station. 47 54.5 124 38.2	....	....	White house			MARKER RADIOBEACON: Antenna 855 yards 060° fro James Island Light. Reliable only from 015° to 050°. See p. XVIII for method of operation.	1968
2217	— BOAT BASIN LIGHT 1 **Fl. G., 4^s**	On north side of entrance.	....	....	SB on white platform on dolphin.		17		1962
2218	— BOAT BASIN LIGHT 2 **Fl. R., 4^s**	On south side of entrance.	....	....	TR on white platform on dolphin.		17		1962
	STRAIT OF JUAN DE FUCA (Charts 6265, 6300)								
2219 109 *G5288*	**CARMANAH LIGHT** **Fl. W., 5^s** Resident Personnel.	On point, 2 miles 311° from Bonilla Point. C. 48 36.7 124 45.0	....	19	White octagonal concrete tower	56	175	RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 3 blasts ev 60^s(2^sbl-2^ssi-2^sbl-2^ssi-2^sbl-50^ssi).	
2220 107 *G4756*	**CAPE FLATTERY LIGHT** **Gp. Fl. W., R., sector, 45^s** 0.2^sfl., 7.3^sec. 0.2^sfl., 7.3^sec. 0.2^sfl., 29.8^sec. 3 flashes. Resident Personnel.	On Tatoosh Island, south side of entrance to Strait of Juan de Fuca. 48 23.5 124 44.1	22W 200,000 18R 50,000	19	White conical tower on white sandstone dwelling.	65	165	Light is displayed 1 hour before sunset to 1 hour after sunrise. Red from 164¾° to 171° covers Duncan and Duntze Rocks Light obscured trom 271° to 007½°. RADIOBEACON: Antenna 290 feet 012° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 2 blasts ev 60^s (3^sbl-3^ssi-3^sbl-51^ssi).	1857
2221 108	*Duntze Rock Lighted Whistle Buoy 2D.* **Fl. W., 4^s**	In 270 feet, northwesterly of rock. 48 24.9 124 44.8	 200	....	Red				
2222 *G4762*	WAADAH ISLAND LIGHT **F. W., R., sector.**	On north end of island. 48 23.2 124 35.9	14W 10,000 11R 2,000	13	TR on concrete tower		63	Red sector from 098° to 107 covers Duntze and Duncar Rocks. HORN, diaphragm; 2 blasts ev $30^s$$2^s$bl-$2^s$si-$2^s$bl-$24^s$si).	1934
2223 *G4760*	NEAH BAY LIGHT **Fl. R., 5^s(1^sfl)**	On south end of Waadah Island.	8 400	12	TR on white house		46	Light obscured from 114° t 196°. HORN, diaphragm; 1 blast ev 30^s(3^sbl).	1895–1932
2224	MAKAH DOCK EAST LIGHT **F. R.**	On east end of pier 48 22.4 124 35.6	 100	....	....		12	Private aid.	1959–1969
2225	MAKAH DOCK WEST LIGHT **F. R.**	On west end of pier 48 22.4 124 35.7	 100	....	....		12	Private aid.	1959–1969
	Neah Bay Inner Buoy 2	In 18 feet	....	....	Red nun			Red reflector.	

BRITISH COLUMBIA AND WASHINGTON

THIRTEENTH DISTRICT

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	STRAIT OF JUAN DE FUCA										
	Dtokoah Point Lighted Bell Buoy 1.. **Fl. W., 4^s**	In 36 feet, off northwest end of reef.	48 22.6	124 34.2	 120	....	Black........................				
	Port San Juan Lighted Whistle Buoy. **Mo. (A) W.**	In 114 feet, at entrance. C.	48 32.1	124 29.0	....	....	Black and white vertical stripes.			Ra ref.	
1	SAN JUAN POINT LIGHT .... **F. W., Fl. R., 5^s**	On point........ C.	48 31.8	124 27.3	....	....	White circular tower, red band at top, on white rectangular building.		57	F. W. with high intensity R. flash ev. 5^s. HORN; 1 blast ev 30^s (3^sbl).	
	Clallam Reef Bell Buoy 1..........	In 66 feet, off end of reef.			....	....	Black........................			White reflector.	
	Slip Point Light .... **Fl. W., 5^s** Resident Personnel.	On east side of Clallam Bay.	48 15.9	124 14.9	23 350, 000	13	White square tower on pile structure.	50	55	DIAPHONE: 1 blast ev 30^s(3^sbl).	1905 –1951
	Sheringham Point Light .... **Gp. Fl. W., 7.5^s** 0.5^sfl., 1.3^sec. 0.5^sfl., 1.3^sec 0.5^sfl., 3.4^sec. 3 flashes. Resident Personnel.	On point........ C.	48 22.7	123 55.2	....	14	White hexagonal tower attached to rectangular dwelling.	64	72	DIAPHONE: 2 blasts 60^s (2. 5^sbl-3^ssi-2. 5^sbl-52^ssi). Horn mounted on white square building close southward of lighthouse.	
	Ideal Cement Range Front Daybeacon.	In 3 feet...........	48 10.0	123 57.5	....	....	Red and white vertically striped square daymark on piles.			Private aid.	
	Ideal Cement Range Rear Daybeacon.	On shore, 133 yards 180° from front daybeacon.			....	....	Red and white vertically striped square daymark on piles.			Private aid.	
	WHIFFIN SPIT LIGHT .... **Qk. Fl. W.**	On east end of spit, entrance to Sooke Inlet. C.	48 21.5	123 42.6	....	9	White mast, concrete base; triangular beacon marked "Fishing Boundary."		18	RADIOBEACON: See p. XVIII for method of operation.	
	Crescent Bay Lighted Bell Buoy 2.. **Fl. W., 4^s**	In 74 feet, off north end of Crescent Rock.	48 10.4	123 43.4	 125	....	Red........................				
	Race Rocks Light................ **Fl. W., 10^s** Resident Personnel.	On Great Race Rock... C.	48 17.9	123 31.8	....	18	Alternate black and white horizontal bands on circular stone tower, with dwelling attached.	105	118	RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 60^s(3^sbl). Should not be approached within 1 mile to clear Rosedale Reef.	
2	WILLIAM HEAD LIGHT .... **E. Int. W., 4^s**	On extremity of head. C.	48 20.6	123 31.6	....	....	White square slatted daymark on white skeleton tower.		37	WHISTLE: 1 blast ev 30^s (5^sbl).	
4	ALBERT HEAD LIGHT .... **Fl. W., 5^s** Resident Personnel.	On southeast part of head. C.	48 23.2	123 28.6	....	15	White slatted daymark and white watchroom on black skeleton tower.		90	RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 3 blasts ev 60^s(2^sbl-3^ssi-2^sbl 3^ssi 2^sbl-48^ssi).	
6	FISGARD LIGHT .... **E. Int. W., R. sector., , 2^s**	On Fisgard Island, west side of entrance to Esquimalt Harbor. C.	48 25.9	123 26.8	....	14	White circular tower with red brick dwelling attached. Tower illuminated below balcony by floodlights.	56	71	Red sector from 195° to 332°. To clear Scrogg Rocks, light must show white in approach from eastward.	
5 12	OGDEN POINT BREAKWATER LIGHT. **Qk. Fl. R.**	On outer end of breakwater. C.	48 24.8	123 23.6	....	12	Red lantern on white square pyramidal tower, black base.		40	HORN: 1 blast ev 30^s (5^sbl). Horn points 205° standby whistle.	
.50 07	SCROGGS ROCKS LIGHT .... **Fl. R., 12^s (1^sfl)**	On west side of rock.	48 25.6	123 26.3	....	....	White mast, white triangular slatwork daymark, concrete base.	14	21		

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	STRAIT OF JUAN DE FUCA										
2237 G5310	BROTCHIE LEDGE LIGHT **F. G.** **Fl. G., 10^s**	South of Ogden Point. C.	48 24.4	123 23.2	....	9	Black skeleton tower on conical structure.		20	HORN: 1 blast ev 20^s (2^{s}bl). Horn points southward. Ra ref.	
2238 G5328	**Trial Islands Light** **Fl. G., 5^s** 2 flashes. Resident Personnel.	On southeast side of southernmost island of group. C.	48 23	123 18.2	....	15	White circular tower	41	93	DIAPHONE: 2 blasts ev 90^s (2^{s}bl-2^{s}si-2^{s}bl-84^{s}si). Horn points 181° from a white rectangular building close southeastward of LH.	
2239 2501 G5334	**Discovery Island Light** **E. Int. W., 6^s** Resident Personnel.	On east end of island, south entrance to Haro Strait. C.	48 25.5	123 13.5	....	15	White square dwelling, lantern on roof.		91	Light obscured from 054° to 161°. DIAPHONE: 1 blast ev 60^s (5^{s}bl). Horn mounted on south end of fog signal building.	
	(For Haro Strait, see No. 2501)										
2240	*— Calibration Lighted Bell Buoy* **Fl. W., 4^s**	In 405 feet	48 14.3	123 24.1	120	....	Orange and white horizontal bands.			Ra ref. Maintained for U. S. Navy.	
2240.12	CROWN ZELLERBACH LIGHT B **F. R.**	In 10 feet	48 08.1	123 28.2	....	....	Dolphin		18	Private aid.	1968
2240.13	CROWN ZELLERBACH LIGHT C **F. R.**	In 10 feet	48 08.1	123 28.1	....	....	Dolphin		18	Private aid.	1968
2240.14	CROWN ZELLERBACH LIGHT D **F. R.**	In 10 feet	48 08.1	123 28.0	....	....	Dolphin		18	Private aid.	1968
2240.16	CROWN ZELLERBACH LIGHT F **F. R.**	In 10 feet	48 08.3	123 27.7	....	....	Dolphin		18	Private aid.	1968
2241 G4768	**Ediz Hook Light** **Alt. Fl. G. & Gp. Fl. W., 10^s** 0.1^{s}Gfl., 2.4^{s}ec. 0.1^{s}Wfl., 2.4^{s}ec. 0.1^{s}Wfl., 4.9^{s}ec. 1 G., 2 W. flashes. Resident Personnel.	At top control tower at Port Angeles Air Station.	48 08.4	123 24.5	23W 350,000 19G 70,000	15	White house on tower	78	85	RADIOBEACON: Antenna 600 yards 094° from light tower. See p. XVIII for method of operation. HORN, diaphragm (2): 1 blast ev 30^s (3^{s}bl). Fog signal is located 600 yards 093. from light tower.	1865–1946
2242	*Ediz Hook Lighted Bell Buoy 2* **Fl. G., 4^s**	In 125 feet, off end of hook.			....	....	Red				
	Port Angeles Harbor Buoy 1	In 24 feet, 1.1 miles southerly of Ediz Hook Light.			....	....	Black can			White reflector.	
2242.11	PORT ANGELES PORT DOCK LIGHT. **F. R.**	In 42 feet			....	....	Dolphin		17	Private aid.	1968
2242.13	STANDARD OIL PIER LIGHT **F. R.**	In 30 feet, off end of dock.			....	....	Dolphin		10	Private aid.	1968
2243	*Port Angeles Boat Haven Lighted Buoy 3.* **Fl. G., 4^s**	In 58 feet	48 07.8	123 26.8	....	....	Black				
2244	PORT ANGELES MOORING BASIN WEST LIGHT. **F. R.**	On end of west breakwater.	48 07.6	123 27.1	....	....	Dolphin		17	Private aid.	1948–1962
2245	PORT ANGELES MOORING BASIN EAST LIGHT. **F. G.**	On end of east breakwater.			....	....	Dolphin		17	Private aid.	1948–1962
2246	PORT ANGELES BOAT HAVEN LIGHT. **Fl. W., 2.5^s**	On shore	48 07.6	123 27.0	....	....	Pole		17	Private aid.	1951–1962
2246.11	FIBREBOARD WHARF LIGHTS **2 F. R.**	West end of wharf	48 07.8	123 27.4	200	....	Frame above wharf		60	Private aid.	1969

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	STRAIT OF JUAN DE FUCA									
	New Dungeness Light **Fl. W., 5^s** Resident Personnel.	On outer end of spit... 48 10.9	123 06.6	20 120,000	14	White conical tower on dwelling.	63	67	RADIOBEACON: Antenna 275 feet 032½° from light tower. See p. XVIII for method of operation. DIAPHONE: 1 blast ev 30^s (3^sbl). Storm warning signals displayed during day and night.	1857–1927
	New Dungeness Sand Spit Buoy 2 ..	In 35 feet, northeast of spit.		....	....	Red nun			Ra ref. Red reflector.	
	Hein Bank Lighted Bell Buoy....... **I. Qk. Fl. W.**	In 28 feet............ 48 21.0	123 02.8	 100	....	Red and black horizontal bands..			Ra ref.	
11	*Middle Bank Lighted Gong Buoy MB.* **I. Qk. Fl. W.**	In 104 feet 48 23.4	123 07.1	 110	....	Black and red horizontal bands.			Ra ref.	
33	*Salmon Bank Lighted Gong Buoy 3.* **Fl. W., 4^s**	In 95 feet 48 24.6	122 58.7	....	....	Black			Ra ref.	
	Smith Island Light................. **Fl. W., 15^s(3^sfl)** Resident Personnel.	In east end of strait... 48 19.1	122 50.6	20 130,000	16	White square daymark on skeleton tower.	45	97	RADIOBEACON: Antenna 310 feet 355° from light tower. See p. XVIII for method of operation.	1858–1957
) o	MINOR ISLAND LIGHT.......... **Fl. W., 4^s**	On shoal making off northeast from Smith Island. 48 19.5	122 49.1	 100	....	White cylindrical house on white square house.		24	HORN, diaphragm; 2 blasts ev 30^s (2^sbl-2^ssi-2^sbl-24^s si).	1907–1939
	Partridge Bank Buoy 1.............	In 25 feet, marks reef.		....	....	Black can.....................			White reflector.	
	Partridge Bank Lighted Bell Buoy 3. **Fl. W., 4^s**	In 42 feet, off southern end of bank. 48 14.8	122 50.0	 125	....	Black.......................			Ra ref.	
	Point Partridge Lighted Bell Buoy 5. **Fl. G., 4^s**	In 60 feet............ 48 13.2	122 46.9	....	....	Black.......................				
3 '6	POINT PARTRIDGE LIGHT .... **Gp. Fl. W., 6^s** 1^sfl., 1^sec. 1^sfl., 3^sec. 2 flashes.	On shore........... 48 13.5	122 46.1	14 9,000	15	Small white house with black band at top.		90	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1938–1953
	Sequim Bay Entrance Buoy 2.....	In 26 feet 48 05.1	123 01.8	....	....	Red nun			Ra ref. Red reflector.	
	Sequim Bay Buoys 3, 4, 5, 7, 9, 10.	In 8 to 20 feet.......		....	....	Odd numbered, black can; even numbered, red nun.			Ra ref. Odd numbered white reflector; even numbered, red reflector.	
	Protection Island Southwest Spit Buoy 1.	In 56 feet, southwesterly of Kanem Point. 48 06.9	122 57.8	....	....	Black can...................			White reflector.	
	Middle Point Buoy 4...............	In 70 feet, northwesterly of Middle Point. 48 08.7	122 50.6	....	....	Red nun.....................			Red reflector.	
	Point Wilson Buoy 6.............	In 44 feet, northwesterly of Point Wilson.		....	....	Red nun.....................			Red reflector. Ra ref.	
	ADMIRALTY INLET (Chart 6450)									
4	**Point Wilson Light**................ **F. W. Alt. Fl. R. 20^s** (F. W. 0.2^sR. fl) Resident Personnel.	On end of spit........ 48 08.7	122 45.2	16R 20,000 16W 18,000	13	White octagonal tower on fog signal building	46	51	RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^s(3^sbl).	1879–1914
4.51 9.51	*Point Hudson Spit Lighted Bell Buoy 2.* **Fl. W., 4^s**	In 35 feet, northeasterly of Pt. Hudson.		 120	....	Red				

(1)	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic	(6) Structure			(7)	
No.	Characteristic	Lat. N.	Long. W.	Intensity	Range		Ht. above ground	Ht. above water	Remarks	Year
	WASHINGTON								THIRTEENTH DISTRICT	
	ADMIRALTY INLET									
2255 2340	POINT HUDSON LIGHT **Fl. R.**, 6^s (2^sfl)	On end of point 48 07.0	122 44.9	11 2,500	10	TR on white house		22	HORN, diaphragm 2 blast ev 20^s (2^sbl-2^ssi-2^sbl-14^ssi).	1887–1916
	(For Port Townsend and Oak Bay, see No. 2340)									
	(For Kilisuit Harbor, see after No. 2349).									
2256	MARROWSTONE POINT LIGHT **Gp. Occ. W.**, 10^s 2.5^slt., 1^sec. 2.5^slt., 4^sec. 2 flashes.	On northeast end of island. 48 06.1	122 41.2	15 13,000	11	White square structure	20	28	Light obscured from 040° to 090° HORNS, diaphragm (2); 2 blasts ev 30^s (2^sbl-2^ss 2^s bl- 24^ssi).	1888–1918
2257	BUSH POINT LIGHT **E. Int. W.**, 10^s	On end of point 48 01.8	122 36.3	13 5,000	10	White pyramidal building	20	25	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1894–1933
2258 2350	COLVOS ROCKS LIGHT **Fl. W.**, 4^s	On highest group of rocks, northerly of Port Ludlow. 47 57.1	122 40.1	 100		NR on white house		34		1927
	(For Hood Canal, see No. 2350)									
2259	DOUBLE BLUFF LIGHT **Fl. G.**, 5^s(1^sfl)	On south end of bluff. 47 58.1	122 32.7	10 1,400	13	Skeleton tower		60	HORN, diaphragm; 1 blast ev 15^s(2^sbl).	1954
2260	*Double Bluff Lighted Buoy 1* **Fl. W.**, 4^s	In 48 feet, southwesterly of bluff.		 125		Black			Ra ref.	
2261	*Foulweather Bluff Lighted Bell Buoy 2.* **Fl. W.**, 4^s	In 62 feet, marks shoal off bluff.		 120		Red				
2261.11	SKUNK BAY LIGHT **F. R.**	On shore 47 55.2	122 34.1	 400		White octagonal tower		210	Private aid.	1965
	PUGET SOUND									
	POINT NO POINT TO SEATTLE (Chart 6450)									
2262	POINT NO POINT LIGHT **Gp. Fl. W.**, 10^s 0.1^sfl., 1.9^sec. 0.1^sfl., 1.9^sec. 0.1^sfl., 5.9^sec. 3 flashes. Resident Personnel.	On end of point 47 54.7	122 31.5	19 60,000	10	White octagonal tower on building.	20	27	HORN, diaphragm; 2 blas ev 30^s (2^sbl-2^ssi-2^sbl-24^ssi).	1879–1900
	Scatchet Head Gong Buoy 1	In 39 feet 47 54.5	122 26.2			Black			Ra ref. White reflector.	
2263 2410	*Possession Point Lighted Bell Buoy 1.* **Fl. W.**, 4^s	In 68 feet, off point. 47 53.8	122 23.0	 125		Black				
	CULTUS BAY									
	— Entrance Buoy 1	47 54.5	122 24.0			Black spar			Private aid.	
	— Entrance Buoy 2					Red spar			Private aid.	
	— Daybeacons 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24.					Numbered piles			Even numbered, red reflec tor; odd numbered, white reflector. Private aids.	
	(For Possession Sound, see No. 2410)									

PUGET SOUND

POINT NO POINT TO SEATTLE

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
1	BROWNS BAY OBSTRUCTION LIGHT. Qk. Fl. R.	In 52 feet, off wharf.		....	....	Dolphin	23	Private aid.	1966
	APPLE COVE POINT LIGHT Fl. W., 4^s	In 7 feet, iff point 47 48.9	122 28.8	5 100	9	TR on white platform on dolphin.	18		1918–1934
	POINT WELLS RANGE FRONT LIGHT. F. R.	On wharf, Point Wells. 47 47.1	122 23.7	....	....	KRW on skeleton tower	42	3,500 cp visible 4° each side of rangeline.	1928–1936
	POINT WELLS RANGE REAR LIGHT. F. R.	486 yards 149° from from light.		....	....	KWR on skeleton tower	89	5,000 cp visible 4° each side of rangeline.	1928–1965
	Edmonds Dock Fog Signal	On wharf at Edwards Point. 47 48.2	122 23.8	....	....	On top of building		HORN, diaphragm; 2 blasts ev 30^s (5^sbl-5^ssi-5^sbl-15^ssi). Private aid.	1924
	EDMONDS BREAKWATER LIGHT. Fl. W., 4^s	On southwest corner of breakwater.		....	....	Tripod	18	Private aid.	1962
	EDMONDS SMALL BOAT HARBOR ENTRANCE LIGHT 1. Fl. G., 5^s (1^sfl)	In 13 feet		....	....	SW on dolphin	18	Private aid.	1962
	EDMONDS SMALL BOAT HARBOR ENTRANCE LIGHT 2. F. R.	On end of breakwater.		....	....	SW on tripod	18	Private aid.	1962
	EDMONDS SMALL BOAT HARBOR ENTRANCE LIGHT 3. F. G.	In 13 feet		....	....	SW on dolphin	18	Private aid.	1962
	Point Wells Fog Signal	On wharf at Point Wells. 47 46.9	122 23.8	....	....	Pole		HORN, diaphragm; 1 blast ev 30(3-bl). Private aid.	1921–1956
11	KINGSTON SMALL BOAT HARBOR LIGHT 2. Fl. R., 4^s	On end of breakwater.		....	....	TR on concrete slab	13		1967
	Kingston Small Boat Harbor Daybeacon 3, 5, 7, 9, 11.	....		....	....	SB on pile		Private aids.	
	Boeing Creek Buoy 1BC	In 102 feet 47 45.0	122 23.1	....	....	Black can		Ra ref. White reflector.	
	Piper Creek Buoy E	In 53 feet 47 42.8	122 23.0	....	....	Orange and white horizontal bands; spar.		Private aid.	
	Jefferson Head Buoy J	In 50 feet 47 45.4	122 27.9	....	....	Orange and white horizontal bands; spar.		Private aid.	
70	*Point Jefferson Lighted Wreck Buoy WR2* Qk. Fl. W.	In 41 feet, 10 yards 090° from wreck in last known position. 47 45.5	122 28.1	....	....	Red		Ra ref.	
	POINT MONROE LIGHT E. Int. W., 6^s	On south side of entrance to Port Madison. 47 42.5	122 30.6	6 200	11	Black and white checkered daymark on skeleton tower in back of white house.	30	BELL: 1 stroke ev 10^s. White reflector.	1889–1961
	Meadow Point Lighted Buoy 1 Fl. G., 4^s	In 77 feet		....	....	Black			
	(For Port Madison and Port Orchard see No. 2371)								
	SHILSHOLE BOAT BASIN LIGHT. Qk. Fl. R.	On north end of breakwater.		 500	....	....	13	Red reflector.	1958–1961
	PARK DEPARTMENT BOAT RAMP LIGHT. F. G.	.... 47 41.2	122 24.2	....	....	....	10	Private aid.	1963

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND										
	POINT NO POINT TO SEATTLE										
2280 2389	*Shilshole Bay Approach Lighted Bell Buoy.* **Mo. (A) W.**	In 149 feet, southwesterly of Meadow Point.	47 40.9	122 25.1	....	....	Black and white vertical stripes.			Ra ref.	
2281 2392	SHILSHOLE BAY BREAKWATER LIGHT. **Fl. W., 2.5^{s}**	On south end of breakwater.	47 40.6	122 24.7	2,000	....	Black square daymark on white house.		22	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si). Green reflector.	1958
	(For Lake Washington Ship Canal and Lake Washington, see No. 2389)										
2282	WEST POINT LIGHT **Alt. Fl. W. & R., 10^{s}** 0.2^{s}Wfl., 4.8^{s}ec. 0.2^{s}Rfl., 4.8^{s}ec. Resident Personnel.	On end of point	47 39.7	122 26.1	19W 80,000 16R 18,000	10	White octagonal tower on building.	23	27	MARKER RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	1881–1901
	West Point Buoy 1	In 28 feet, westerly of point.			....	....	Black can			Ra ref. White reflector.	
2283	FOURMILE ROCK LIGHT **Fl. G., 5^{s}(1^{s}fl)**	On rock, north side of entrance to Seattle Harbor.			7 350	9	SB on white square house		15	HORN, diaphragm; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1918–1938
	Wing Point Reef Buoy 2	In 34 feet, marks south point of reef.	47 36.8	122 29.1	....	....	Red nun			Red reflector.	
2284	*Tyee Shoal Lighted Bell Buoy* **I. Qk. Fl. W.**	In 17 feet, southwest of shoal.	47 36.6	122 29.2	100	....	Red and black horizontal bands.			BELL: 1 stroke ev 15^{s}.	
	(For Eagle Harbor, see No. 2378)										
2285	BLAKELY ROCK LIGHT **Fl. R., 4^{s}**	On rock, entrance to Blakely Harbor.	47 35.7	122 28.8	....	....	TR on pole		16		1918–1951
2286	*Decatur Reef Lighted Horn Buoy 2* **Fl. W., 4^{s}**	In 107 feet, off Restoration Point.			120	....	Red			HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl).	
	(For continuation of Puget Sound, southward, see No. 2295)										
	(For Rich Passage, Sinclair Inlet, and Port Washington Narrows, see No. 2381)										
	Elliott Bay										
	SEATTLE HARBOR (Chart 6446)										
	Smith Cove Buoy 1	In 32 feet	47 37.7	122 23.0	....	....	Black can			White reflector.	
	Smith Cove Buoy 3	In 36 feet			....	....	Black can			Ra ref. White reflector.	
2288	NORTHWESTERN MUTUAL INSURANCE BUILDING AERO LIGHT. **Fl. R., 10^{s}**	3d Ave. and Pine Street, Seattle.	47 36.6	122 20.3	....	....	Green lighted tower on top of building.	232	583	Private aid.	

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND										
	Elliott Bay										
	SEATTLE HARBOR										
	COLMAN FERRY TERMINAL LIGHTS. **2 F. R.**	On outer end of ferry slip, Pier 52.	47 36.2	122 20.4	....	....	Dolphin		19 36	HORN, diaphragm 2 blasts ev 15^{s} (1^{s}bl-1^{s}si-3^{s}bl-10^{s}si). A fog light, F. W., of 350 cp exhibited when fog signal is in operation. Private aid.	1940–1967
1	EAST WATERWAY PIER LIGHT. . **Fl. R., 2.5^{s}**	On dock	47 35.4	122 20.7	350	....			12	Private aid.	1969
	East Waterway Ferry Slip Fog Signal.	At end of ferry slip on East Waterway.	47 34.9	122 20.7	....	....				HORN: 1 blast ev 17^{s} (2^{s}bl). Private aid.	1938
	TODD DOCK LIGHT **E. Int. W., 2^{s}**	On dock at north end of Harbor Island.	47 35.4	122 21.3	500	....	Pole		28	Private aid.	1943
	WEST WATERWAY LIGHT **Fl. G., 6^{s}(2^{s}fl)**	On dock, east side of entrance to West Waterway.	47 35.3	122 21.4	1,000	....	SB on white house on dock		25	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1919–1936
	WEST WATERWAY CONTROL LIGHTS. **2 F. R.** **2 F. G.**	On west tower of power crossing of West Waterway at West Spokane Street.	47 34.3	122 21.3	....	....				Lights not shown under normal conditions. Vessels desiring to pass, should blow one long blast and proceed if green lights are exhibited. Red lights must not be passed. Maintained by Corps of Engineers, U. S. Army.	1936
75	TRUAX BOAT SHELTER LIGHTS . **3 F. W.**	On northwest and southwest corners of boat shelters and on upriver dolphin.	47 32.6	122 20.0	....	....			10	Private aids.	1965
81	WEST SEATTLE BOAT RAMP LIGHT. **Fl. R., 6^{s}(1^{s}fl)**	On shore, marks entrance to boat ramp.			....	....	Pole		24	Private aid.	1966
	DUWAMISH HEAD LIGHT **Gp. Fl. W., 6^{s}** 1^{s}fl., 1^{s}ec. 1^{s}fl., 3^{s}ec. 2 flashes.	In 14 feet, off south side of entrance Seattle Harbor.	47 36.0	122 23.2	13 6,000	10	TR above white square house on pile structure.		32	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1939–1959
	SEATTLE TO TACOMA										
	EAST PASSAGE (Chart 6460)										
	ALKI POINT LIGHT **Fl. W., 5^{s}** Resident Personnel.	On end of point	47 34.6	122 25.2	15 14,000	11	White octagonal tower attached to building.	37	39	Special Direction Finder Calibration Service, see p. XIX. HORN, diaphragm; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1887–1918

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
				WASHINGTON					THIRTEENTH DISTRICT	
	PUGET SOUND									
	Elliott Bay									
	SEATTLE TO TACOMA									
	EAST PASSAGE									
2297	BLAKE ISLAND EAST LIGHT Fl. R., 4^s	On northeastern point of island. 47 32.5	122 28.8			TR on triangular structure		15		1946
2298	Fauntleroy Cove Fog Signal	On outer end of ferry slip. 47 31.4	122 23.7						SIREN: 1 blast ev 24^s (4^sbl). Private aid.	1945–1954
2299	POINT PULLY LIGHT Fl. W., 5^s(1^sfl)	On outer end of point. 47 27.0	122 22.8	13 7,000	10	SB on white skeleton tower	20	25	HORN, diaphragm; 1 bla ev 15^s (2^sbl).	1908–1936
2299.03	*Des Moines Lighted Buoy 1* Fl. W., 2.5^s	In 65 feet		120		Black			Ra ref.	
2299.04	DES MOINES MARINA LIGHT 3 Fl. G., 2^s	In 16 feet 47 24.1	122 19.9			SW on dolphin		13	Private aid.	1970
2299.05	DES MOINES MARINA LIGHT 4 Qk. Fl. R.	On north end of breakwater. 47 24.1	122 19.9			TR on breakwater		13	Private aid.	197
2299.06	DES MOINES MARINA LIGHT 5 Fl. G., 4^s	In 16 feet 47 24.1	122 19.9			White square daymark on dolphin.		13	Private aid. Green reflector.	1970
2299.08	DES MOINES MARINA LIGHT 7 Fl. W., 4^s	On south end of breakwater. 47 23.8	122 19.8			Breakwater		13	Private aid.	1970
2300	POINT ROBINSON LIGHT Gp. Fl. W., 12^s 3^sfl., 1^sec. 3^sfl., 5^sec. 2 flashes. Resident Personnel.	On east end of Maury Island. 47 23.3	122 22.4	14 11,000	11	White octagonal tower	38	40	HORN, diaphragm; 1 bla ev 30^s (3^sbl).	1885–1915
2301	REDONDO MARINA LIGHT Fl. W., 2^s	On roof of marina 47 20.9	122 19.4					62	Private aid.	196
2302	BROWNS POINT LIGHT Gp. Fl. W., 15^s 2.3^sfl., 1.0^sec. 2.3^sfl., 1.0^sec. 2.3^sfl., 6.1^sec. 3 flashes.	On west end of point. 47 18.4	122 26.6	12 4,000	11	White tower	31	38	Light obscured from 217 to 002°. HORN, diaphragm; 2 bla ev 30^s (2^sbl-2^ssi-2^sbl-24^ssi).	1887–193
	Quartermaster Harbor Shoal Buoy 2	In 30 feet, at entrance to Quartermaster Harbor. 47 21.0	122 28.6			Red nun			Red reflector.	
	COLVOS PASSAGE (Chart 6460)									
2303	POINT VASHON LIGHT Fl. W., 4^s	In 13 feet, north of point. 47 30.8	122 28.3	100		Black and white checkered square daymark on white platform on pile structure.		17	BELL: 1 stroke ev 10^s. White reflector.	1946–195
2304	—LIGHT 3 Fl. G., 4^s	In 6 feet, opposite Fragaria.				SB on white platform on pile		15		1950–195
2305	—LIGHT 4 Fl. R., 4^s	On shore, 0.5 mile south of Anderson Point.				TR on white house		15		195
2306	—LIGHT 5 Fl. G., 4^s	On Point Sandford				SB on white house		17		195
2307	—LIGHT 6 Fl. W., 4^s	In 10 feet off Point Richmond. 47 22.7	122 32.3	100		TR on pile structure		15	Light obscured from 02 to 153°.	1950–196

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
PUGET SOUND								
COMMENCEMENT BAY								
TACOMA HARBOR (Chart 6407)								
CITY WATERWAY LIGHT **Fl. W.,** 6^{s} (2^{s}fl)	In 12 feet, on east side of entrance to City Waterway. 47 15.7	122 26.1	2,500	....	Light on pile; bell on dock	23	BELL: 2 strokes ev 10^{s}. Green reflector.	1912–1926
PUYALLUP WATERWAY JETTY LIGHT 1. **Fl. G.,** 4^{s}	In 5 feet, on east side of entrance to waterway. 47 16.2	122 25.5	110	....	SW on dolphin	27		1955–1967
MILWAUKEE WATERWAY SHOAL LIGHT. **Fl. W.,** 6^{s} (2^{s}fl)	In 10 feet, entrance to waterway. 47 16.2	122 25.4	1,900	....	TR on white square house on pile structure.	23	HORN, diaphragm; 1 blast ev 10^{s} (1^{s}bl).	1938
PORT-INDUSTRIAL WATERWAY LIGHT. **Fl. R.,** 2.5^{s} (1^{s}fl)	On southwest side of waterway, north corner of Pier 1. 47 16.7	122 24.8	....	....	Tower on dock	12	SIREN: 1 blast ev 20^{s} (5^{s}bl). Operates only during fog when vessels are due to dock. Private aid.	1933–1956
Port-Industrial Waterway Fog Signal.	On northeast side of Port-Industrial Waterway, Pier 4. 47 16.8	122 24.8	....	....	House on dock		HORN: 1 blast ev 10^{s} (1^{s}bl). Private aid.	1947
Hylebos Waterway West Fog Signal	Outer end of Pier 1... 47 17.1	122 24.8	....	....	House on dock		HORN: 1 blast ev 15^{s} (2^{s}bl). Private aid.	1947
Hylebos Waterway East Fog Signal	On northeast corner of Pier 3. 47 17.1	122 24.6	....	....	Tower on dock		BELL: 1 stroke ev 10^{s}. Private aid.	1947
HYLEBOS WATERWAY LIGHT **Fl. W.,** 4^{s}	In 18 feet, northeasterly side of waterway. 46 17.2	122 24.7	200	....	SB on white platform on dolphin.	15		1929–1957
TACOMA TO OLYMPIA (Chart 6460)								
POINT DEFIANCE LIGHT **Fl. W.,** 6^{s} (2^{s}fl)	In 18 feet, off point 47 19.0	122 32.8	1,900	....	SB on white house on pile structure.	21	HORN, diaphragm; 1 blast ev 10^{s} (1^{s}bl).	1934–1946
GIG HARBOR LIGHT **Fl. R.,** 4^{s}	On end of sand spit, east side of entrance to harbor.		....	....	TR on white pyramidal house	12	Obscured from 162° to 267°.	1918–1957
POINT EVANS LIGHT **Fl. R.,** 4^{s}	On point west of Evans Rock.		....	....	TR on white platform on column.	39		1930–1963
Tacoma Narrows Bridge West Pier Fog Signal.	On west pier		....	....	....		HORN, low-tone diaphragm; 2 blasts ev 30^{s} (2^{s}bl-4^{s}si-2^{s}bl-22^{s}si). Private aid.	1940
Tacoma Narrows Bridge East Pier Fog Signal.	On east pier		....	....	....		HORN, high-tone diaphragm; 1 blast ev 30^{s} (4^{s}bl). Private aid.	1940
Fox Island Rock Buoy 1	In 30 feet, marks rock. 47 16.5	122 38.7	....	....	Black can		White reflector.	
GIBSON POINT LIGHT **Fl. W.,** 4^{s}	On south point of Fox Island.		100	....	TR on pile structure	22	Light visible from 222° to 055°.	1927–1935
Toliva Shoal Lighted Bell Buoy **I. Qk. Fl. W.**	In 37 feet, south of shoal.		100	....	Red and black horizontal bands			

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
							WASHINGTON			THIRTEENTH DISTRICT	
	PUGET SOUND										
	TACOMA TO OLYMPIA										
2323	EAGLE ISLAND LIGHT **Fl. W., R. sector, 4^s**	On north end of Island, Balch Passage.	47 11.4	122 41.7			SB on white pyramidal house		18	BELL: 1 stroke ev 30^s. Red light from 076° to 118°.	1887–1963
	Eagle Island Reef Buoy 1	In 27 feet, at northwesterly end of reef.					Black can			White reflector.	
2324	DRAYTON PASSAGE LIGHT **Fl. R., 4^s**	In 23 feet, west side of passage, marking shoal.	47 10.7	122 44.5			TR on white platform on dolphin.		20		1927–1935
	Pitt Passage Rocks Daybeacon	In 1 foot					JR on pile				
	Wyckoff Shoal Buoy 1	In 20 feet	47 14.5	122 42.8			Black can			White reflector.	
2325	*Carr Inlet Acoustic Range Lighted Buoy.* **Fl. W., 4^s**	In 210 feet	47 16.5	122 42.5	120		Orange and white horizontal bands.				
	Carr Inlet Buoy A	In 348 feet					Orange and white horizontal bands.			Private aid.	
	Carr Inlet Buoy B	In 342 feet					Orange and white horizontal bands.			Private aid.	
	Carr Inlet Buoy C	In 342 feet					Orange and white horizontal bands.			Private aid.	
2325.09	*Carr Inlet Lighted Buoy K* **Qk. Fl. W.**	In 378 feet			100		Orange and white horizontal bands.			Private aid.	
2325.10	*Carr Inlet Lighted Buoy J* **Qk. Fl. W.**	In 380 feet			100		Orange and white horizontal bands.			Private aid.	
2325.11	DEVILS HEAD LIGHT **Fl. R., 4^s**	In 9 feet	47 10.0	122 45.8			TR on white platform on pile structure.		16	BELL: 2 strokes ev 20^s continuously.	1963
2325.13	*Nisqually Flats Lighted Buoy 1* **Qk. Fl. W.**	In 49 feet, marking Nisqually Flats.	47 06.7	122 41.9			Black			Ra ref. White reflector.	
2325.15	LYLE POINT LIGHT 2 **Fl. W., 4^s**	In 25 feet	46 07.5	122 41.9	6 200	8	TR on dolphin		15		1970
2326	JOHNSON POINT LIGHT **Fl. W., 4^s**	In 23 feet, off point.	47 10.6	122 48.8	350		SB on white house on pile structure.		22	HORN, diaphragm; 1 blast ev 15^s (2^sbl).	1889–1952
2327	ITSAMI LEDGE LIGHT **Fl. W., 4^s**	In 20 feet, north of Henderson Inlet.					SB on white house on pile structure.		20		1937
2328	BRISCO POINT LIGHT **Fl. R., 4^s**	On bluff, south end of Hartstene Island, Dana Passage.					TR on white house		40	Light obscured from 105°	1927–1958
	(For Squaxin Passage and Hammersley Inlet, see No. 2406)										
2329	DOFFLEMYER POINT LIGHT **E. Int. W., 10^s**	On end of point, east side of entrance to Budd Inlet.	47 08.5	122 54.4	2,500		SB on white pyramidal tower		30	HORN, diaphragm; 1 blast ev 15^s(2^sbl).	1887–1936

PUGET SOUND

Budd Inlet

OLYMPIA HARBOR
(Chart 6462)

(2) Name	Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above water	(7) Remarks	Year
OLYMPIA SHOAL LIGHT	F. R.	In 25 feet, east side shoal.	47 05.5	122 55. I	....	600	....	TR on white house on pile structure. Measured speed course markers: White diamond daymark with red vertical stripe above white square daymark with red vertical stripe, mounted below regular daymark.	25	HORN, diaphragm; I blast ev 30s (3 s bl).	1927–1936
WEST OLYMPIA SHOAL LIGHT	Fl. G., 4s	In 31 feet, west of shoal.	47 05. 5	122 55. 4	....		....	SB on white platform on dolphin.	21		1931
BUDD INLET LIGHT	Fl. R., 5s(1sfl)	In 17 feet, 100 yards off west shore.	47 05. 5	122 55. 8	....		....	TR on white house on dolphin	19		1931–1936
OLYMPIA ENTRANCE LIGHT	Fl. W., 4s	In 36 feet, southwesterly of Olympia Shoal.	47 05. 2	122 55. 5	5	100	10	SB on white platform on dolphin.	22		1927–1971
Olympia Entrance Buoy 2		In 30 feet, northerly of Butler Cove.			....		....	Red nun		Red reflector.	
—RANGE FRONT LIGHT	Qk. Fl. G.	In 9 feet	47 03.9	122 54.3	....		....	White square daymark with red vertical stripe on dolphin.	15	350 cp on range line with lower intensity elsewhere.	1927–1958
—RANGE REAR LIGHT	E. Int. G., 6s	In 3 feet, 325 yards 144°35′ from front light.			....		....	White diamond daymark with red vertical stripe on tower on pile structure.	40	800 cp visible 4° each side of rangeline.	1927–1958
Budd Inlet Buoy 1		In 21 feet, marks westerly point of spoil bank.			....		....	Black can		White reflector.	
OLYMPIA CHANNEL LIGHT	Fl. W., 4s	In 31 feet, northwesterly of Priest Point.			....	100	....	Black square daymark on white platform on dolphin. Measured speed course markers: White diamond daymark with red vertical stripe above white square daymark with red vertical stripe, mounted below regular daymark.	17	Green reflector.	1931–1965
Olympia Channel Buoy 4		In 28 feet			....		....	Red nun		Red reflector.	
Olympia Channel Lighted Buoy 6	Fl. R., 4s	In 35 feet			....		....	Red		Ra ref.	
OLYMPIA INNER RANGE FRONT LIGHT.	Qk. Fl. W.	In 17 feet	47 04.1	122 54. 4	....		....	KRW on dolphin	14		1928–1966
OLYMPIA INNER RANGE REAR LIGHT.	E. Int. W., 6s	In 20 feet, 235 yards 354° from front light.			....	160	....	KRW on dolphin	23		1928–1946
Olympia Channel Buoy 8		In 28 feet			....		....	Red nun		Red reflector.	
Olympia Channel Buoy 10		In 32 feet			....		....	Red nun		Red reflector.	
Olympia Turning Basin Buoy 12		In 30 feet			....		....	Red nun		Red reflector.	
Olympia Turning Basin Buoy 14		In 28 feet			....		....	Red nun		Red reflector.	
Olympia Turning Basin Buoy 16		In 31 feet.			....		....	Red nun		Red reflector.	
Olympia Turning Basin Buoy 18		In 28 feet			....		....	Red nun		Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year

WASHINGTON THIRTEENTH DISTRICT

No.	Name / Characteristic	Lat. N.	Long. W.	Nominal Range / Intensity	Geographic Range	Structure	Ht. above ground	Ht. above water	Remarks	Year
	ADMIRALTY INLET									
	PORT TOWNSEND AND OAK BAY (Chart 6405)									
2339.51 2254.51	*Point Hudson Spit Lighted Bell Buoy 2.* **Fl. W., 4^s**	In 35 feet, northeasterly of Pt. Hudson.		 120	....	Red				
2340 2255	POINT HUDSON LIGHT **Fl. R., 6^s(2^{s}fl)**	On end of point 48 07.0	122 44.9	11 2,500	10	TR on white house		22	HORN, diaphragm; 2 blast ev 20^s (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1887–1916
2341	PORT TOWNSEND BREAKWATER LIGHT 1. **Fl. G., 4^s**	On end of breakwater. 48 06.5	122 46.2	....	....	SW on pole		15		1964
2342	PORT TOWNSEND BREAKWATER LIGHT 2. **Fl. R., 4^s**	On end of breakwater.		....	....	TR on pole		15		1964
2343.11	CROWN ZELLERBACH DOCK LIGHT. **F. R.**	On outer mill wharf 48 05.6	122 47.5	6 180	10	Pole on building		30	Visible from 168° to 348°. Private aid.	1970
2345	National Paper Products Company Dock Fog Signal.	On outer mill wharf		....	....	Box on mill building			HORN: 1 blast ev 19^s (2^{s}bl). Private aid.	1931
2346	WALEN POINT LIGHT **Fl. W., 4^s**	On point		 300	....	SB on white house		17		1945
2347	KALA POINT LIGHT **Fl. R., 4^s**	On point 48 03.5	122 45.9	....	....	TR on white house		25		1945
2348	PORT TOWNSEND CANAL LIGHT 4. **Fl. R., 4^s**	In 12 feet, at northern end of canal.		....	....	TR on white platform on dolphin.		16		1915–1947
	Port Townsend Canal Buoy 7	In 20 feet		....	....	Black can			Ra ref. White reflector.	
2349	PORT TOWNSEND CANAL LIGHT 6. **Fl. W., 4^s**	On southern end of jetty at south end of Port Townsend Canal.		 100	....	TR		6		1915–1966
	Oak Bay Buoy 2	In 21 feet, off southern tip of Marrowstone Island. 48 00.2	122 41.5	....	....	Red nun			Red reflector.	
	KILISUT HARBOR (Chart 6405)									
	— Buoy 2	In 18 feet, northeasterly of Walan Point. 48 04.8	122 44.5	....	....	Red nun			Red reflector.	
	— Buoy 3	In 10 feet		....	....	Black can			White reflector.	
	— Buoy 2A	In 18 feet		....	....	Red nun			Red reflector.	
	— Buoy 5	In 12 feet		....	....	Black can			White reflector.	
	— Buoy 4	In 15 feet		....	....	Red nun			Red reflector.	
	— Buoy 6	In 20 feet		....	....	Red nun			Red reflector.	
	— Buoy 8	In 12 feet		....	....	Red nun			Red reflector.	
	— Buoy 10	In 14 feet		....	....	Red nun			Red reflector.	
	— Buoy 12	In 10 feet		....	....	Red nun			Red reflector.	
	— Buoy 14	In 13 feet		....	....	Red nun			Red reflector.	
	— Buoy 17	In 13 feet		....	....	Black can			White reflector.	
	— Buoy 19	In 19 feet		....	....	Black can			White reflector.	
	— Buoy 21	In 12 feet		....	....	Black can			White reflector.	
	— Buoy 22	In 14 feet		....	....	Red nun			Red reflector.	
	— Buoy 24	In 20 feet		....	....	Red nun			Red reflector.	

WASHINGTON

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ADMIRALTY INLET MATS MATS BAY										
1	— *Entrance Lighted Bell Buoy 1.* **Qk. Fl. W.**	In 54 feet	47 57.8	122 40.2	100	....	Black			Ra ref.	
	Klas Rocks Buoy 2	In 48 feet, at south end of Klas Rocks.	47 57.7	122 40.2	....	....	Red nun			Ra ref. Red reflector.	
3	—CHANNEL LIGHT 3 **Fl. W., 4^{s}**	On shore	47 57.7	122 40.8	100	....	SW on platform		15		1970
5	—CHANNEL LIGHT 5 **Qk. Fl. G.**	On shore	47 57.7	122 41.0	....	....	SW on platform		10		1970
7	—RANGE FRONT LIGHT **Occ. W., $4^{s}(3^{s}\text{lt})$**	In 2 feet	47 57.7	122 41.1	....	....	KRB on tower		17	3,000 cp visible 4° each side of rangeline.	1970
19	—RANGE REAR LIGHT **Occ. W., $4^{s}(3^{s}\text{lt})$**	In 1 foot, 63 yards 261°15′ from front light.			....	....	KRB on skeleton tower		28	7,000 cp visible 4° each side of rangeline. Range lights synchronized.	1970
21	—CHANNEL LIGHT 6 **Fl. R., 4^{s}**	In 5 feet	47 57.6	122 41.1	....	....	TR on dolphin		15		1970
23	—CHANNEL LIGHT 7 **Fl. W., 4^{s}**	On shore	47 57.4	122 41.1	100	....	SW on skeleton tower		25		1970
	HOOD CANAL (Charts 6421, 6422, 6450)										
	COLVOS ROCKS LIGHT **Fl. W., 4^{s}**	On highest group of rocks, northerly of Port Ludlow.	47 57.1	122 40.1	100	....	NR on white house		34		1927
	Port Ludlow Buoy 2	In 25 feet, marks southeasterly limits of Colvos Rocks, entrance to Port Ludlow.	47 56.5	122 39.4	....	....	Red nun			Red reflector.	
	POINT HANNON LIGHT **Fl. W., 4^{s}**	On point, Hood Head.	47 53.3	122 36.5	100	....	TR on white house		15		1944
	PORT GAMBLE RANGE FRONT LIGHT. **Qk. Fl. W.**	In 14 feet, 1½ miles north of entrance to Port Gamble.	47 52.8	122 34.6	....	....	KWR on dolphin		26	900 cp on rangeline with lower intensity elsewhere.	1937–1949
	PORT GAMBLE RANGE REAR LIGHT. **E. Int. W., 6^{s}**	In 1 foot, 300 yards 360° from front light.			....	....	KWR on skeleton tower		40	3,000 cp visible 4° each side of rangeline.	1937– 1971
	PORT GAMBLE LIGHT **Fl. W., 4^{s}**	In 23 feet, entrance to Port Gamble.	47 51.8	122 34.6	100	....	SW on white platform on dolphin.		15		1899–1954
5	PORT GAMBLE INNER LIGHT **Fl. G., 4^{s}**	In 25 feet, ¼ mile northerly of Point Julia.			....	....	SW on white platform on dolphin.		18		1929–1934
5	—Bridge West Channel Fog Signal	On fixed west span	47 52.0	122 38.0	....	....	....			HORN, diaphragm; 1 blast ev $20^{s}(2^{s}\text{bl})$. Private aid.	1963
7	—Bridge Main Channel Fog Signal	On pontoon center span.			....	....	....			HORN, diaphragm; 1 blast ev $30^{s}(3^{s}\text{bl})$. Private aid.	1963
8	—Bridge East Channel Fog Signal	On fixed east span			....	....	....			HORN, diaphragm; 1 blast ev $20^{s}(2^{s}\text{bl})$. Private aid.	1963
9	SISTERS ROCK LIGHT **Fl. R., 4^{s}**	On highest rock of group, southerly of Termination Point.	47 51.5	122 38.4	100	....	TR on white house on concrete crib.		15		1944–1946

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	ADMIRALTY INLET							
	HOOD CANAL							
	Case Shoal Buoy 2	In 40 feet, southerly end of shoal, Squamish Harbor. 47 50.6 122 40.2	....	....	Red nun		Red reflector.	
2360	—LIGHT 4 Fl. W., 4^s	In 10 feet 47 48.8 122 42.9	400	....	TR on dolphin	15	Higher intensity beam down channel.	1944–1969
2361	—LIGHT 5 Fl. G., 4^s	In 4 feet, 1 mile southwesterly of Lofall.	....	....	SB on white house on pile structure.	15		1944
2362	*Bangor Explosive Anchorage Lighted Buoy A.* Fl. W., 4^s	In 144 feet, northerly of Bangor. 47 45.8 122 43.4	....	....	White			
2362.51	BANGOR AERO LIGHT Fl. R.	On Marginal Wharf 47 44.9 122 43.5	....	....	White and orange skeleton tower		Maintained by U. S. Navy.	1966
2362.61	BANGOR WHARF LIGHTS 3 F.R.	In 30 feet, on outer edge and ends of wharf.	....	....		10	Private aid.	1968
2363	—LIGHT 10 Fl. R., 4^s	On Brown Point	....	....	TR on white house	15	Light obscured from 029° to 170°.	1944
2364	*Bangor Explosive Anchorage Lighted Buoy B.* Fl. W., 4^s	In 110 feet, southwesterly of Bangor.	120	....	White			
2365	HAZEL POINT LIGHT Fl. W., 4^s	In 4 feet 47 41.6 122 46.2	350	....	White platform on pile	15	Maintained by U. S. Navy.	1961
2366	OAK HEAD LIGHT Fl. W., 10^s (1^{s}fl)	In 4 feet 47 40.9 122 48.5	1, 000	....	White platform on pile	15	Maintained by U. S. Navy.	1961
2366.11	TSKUTSKO POINT LIGHT Fl. W., 4^s	In 12 feet 47 41.5 122 49.9	....	....	White platform on dolphin	15	Maintained by U. S. Navy.	1966
2368	PULALI POINT LIGHT Fl. W., 4^s	On shore 47 44.8 122 51.1	600	....	White box	30	Maintained by U. S. Navy.	1961
2369	WHITNEY POINT WARNING LIGHT Fl. R., 15^s Fl. G., 15^s	On roof of building 47 45.7 122 51.0	....	....		35	A Fl. R., 15^s light of 350, 000 cp during daylight and of 70, 000 cp at night will be displayed when the area is closed to navigation during naval operations. A Fl. G., 15^s light of 350, 000 cp during daylight and of 60, 000 cp at night will be displayed when naval operations in the area require caution. Maintained by U. S. Navy.	1961
2370	TABOOK POINT LIGHT Fl. W., 4^s	In 6 feet 47 44.7 122 48.6	600	....	White platform on pile	15	Maintained by U. S. Navy.	1961
	PUGET SOUND							
	PORT MADISON AND PORT ORCHARD (Chart 6445, 6446)							
2371 2276	POINT MONROE LIGHT E. Int. W., 6^s	On south side of entrance to Port Madison. 47 42.5 122 30.6	6 200	11	Black and white checkered square daymark on skeleton tower in back of house.	30	BELL: 1 stroke ev 10^s. White reflector.	1889–1961

WASHINGTON

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND							
	PORT MADISON AND PORT ORCHARD							
	Treasure Island Shoal Daybeacon 2.	In 5 feet, marks shoal area. 47 41.9 122 32.1			TR on pile			
	AGATE PASSAGE LIGHT **Fl. W., 4^{s}**	In 6 feet, entrance to Agate Passage, opposite Agate Point.	100		TR on white platform on dolphin.	20		1920–1965
	Agate Point Buoy 2	In 14 feet, marks end of reef.			Red nun		Ra ref. Red reflector.	
11	*Agate Passage Lighted Buoy 4* **Fl. W., 4^{s}**	In 19 feet, marks reef. 47 42.5 122 34.1	125		Red		Ra ref.	
13	*Point Bolin Reef Lighted Buoy 6* **Fl. R., 4^{s}**	In 19 feet, marks reef. 47 41.8 122 34.5			Red		Ra ref.	
	BATTLE POINT LIGHT **Fl. W., 4^{s}**	In 1 foot, on spit off end of point, Port Orchard.	100		Black and white checkered square daymark on white platform on dolphin.	17	White reflector.	1921–1951
11	*Port Orchard Lighted Mooring Buoys 1, 2, 3, 4, 5, 6.* **Fl. W., 3^{s}**	In 81 to 98 feet.			White		Private aids.	
	PORT OF POULSBO							
	— ENTRANCE LIGHT A **Fl. R., 10^{s}(1^{s}fl)**	In 14 feet 47 43.9 122 38.8			Dolphin	16	Private aid.	1963
	— SOUTH BREAKWATER LIGHT B. **Fl. W., 10^{s}(1^{s}fl)**	In 14 feet, on east end of breakwater.					Private aid.	1963
	— MIDDLE BREAKWATER LIGHT C. **Fl. W., 5^{s}**	In 14 feet, on center of breakwater.				16	Private aid.	1963
	— NORTH BREAKWATER LIGHT D. **Fl. R., 5^{s}**	In 15 feet			Dolphin	16	Private aid.	1963
	EAGLE HARBOR (Chart 6446)							
	CREOSOTE LIGHT **Fl. G., 5^{s}(1^{s}fl)**	In 14 feet, easterly of Creosote, Washington.	350		SB on white house on dolphin	30	HORN, diaphragm; 1 blast ev 15^{s} (2^{s}bl).	1938–1942
	— *Lighted Buoy 1* **Fl. W., 4^{s}**	In 40 feet, marks east edge of spit.	120		Black			
	— LIGHT 2 **Fl. R., 4^{s}**	In 10 feet, inside Wing Point. 47 37.3 122 29.8			TR with echo boards on dolphin.	15	Higher intensity beam down channel. Light obscured from 120° to 304°.	1961–1964
	— Sand Spit Buoy 3	In 40 feet, marks northwest edge of spit.			Black can		White reflector.	
	RICH PASSAGE (Chart 6446)							
1	*Bainbridge Reef Lighted Bell Buoy 2.* **Fl. R., 4^{s}**	In 72 feet, marks southwestern tip of reef. 47 34.2 122 31.1			Red			
32	ORCHARD POINT LIGHT **Gp. Occ. W., 15^{s}** 2^{s}lt, 1.5^{s}ec. 10^{s}lt., 1.5^{s}ec. 2 eclipses.	On point 47 33.9 122 31.8	2,500		SB on white pyramidal concrete tower.	34	HORN, diaphragm; 2 blasts ev 20^{s} (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si).	1929

WASHINGTON

THIRTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks Year
	PUGET SOUND RICH PASSAGE					
2383	*Orchard Rocks Lighted Bell Buoy 4.* **Fl. W., 4^s**	In 46 feet, southerly of rocks.	 120	....	Red	BELL: 1 stroke ev 10^s.
	Orchard Rocks Echoboard	On westerly rocky reef.	....	....	White rectangular board	
2383.11	*National Marine Fisheries Lighted Buoy.* **Qk. Fl. W.**	In 45 feet	....	....	White	Private aid.
2384	*—Lighted Buoy 8* **Fl. R., 2.5^s**	In 45 feet, southwesterly of West Blakely.	....	....	Red	Ra ref.
2385	POINT GLOVER LIGHT **Fl. W., 4^s**	In 23 feet, off point	 200	....	SB on white square house on black cylindrical base. 25	Higher intensity beam up and down channel. HORN, diaphragm; 1 blast ev 30^s (3bl). 1938
2386	*Point White Lighted Buoy 10* **Fl. R., 4^s**	In 33 feet, off point	....	....	Red	
2387	WATERMAN POINT LIGHT **Occ. W., 6^s(4^{s}lt)**	In 2 feet, off point, south entrance to Port Orchard. 47 35.1 122 34.2	 2,000	....	White square house with black rectangle on black cylindrical base. 26	HORN, diaphragm; 1 blast ev 15^s(2^{s}bl). 1915–1934
	SINCLAIR INLET (Chart 6440)					
2388	POINT HERRON LIGHT **Fl. W., 6^s(2^{s}fl)**	In 18 feet, off point 47 33.9 122 36.7	....	....	TR on white pyramidal house on pile structure. 24	HORN, diaphragm; 1 blast ev 30^s (3^{s}bl). 1929–1943
	Port Orchard Buoy 1	In 25 feet, marking shoal north of city of Port Orchard. 47 32.9 122 37.7	....	....	Black can	White reflector.
	PORT WASHINGTON NARROWS (Chart 690 SC)					
	—Buoy 1	In 30 feet, ½ mile northwesterly of Anderson Cove.	....	....	Black can	White reflector.
	LAKE WASHINGTON SHIP CANAL (Chart 690 SC)					
	SHILSHOLE BAY TO HIRAM M. CHITTENDEN LOCKS					
2389 2280	*Shilshole Bay Approach Lighted Bell Buoy.* **Mo. (A) W.**	In 149 feet, southwesterly of Meadow Point. 47 40.9 122 25.1	....	....	Black and white vertical stripes.	Ra ref.
2390	SHILSHOLE BAY ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. R.**	In 3 feet, 75 yards 251° from west end of draw rest. 47 40.0 122 24.1	....	....	KWR on dolphin 20	800 cp visible 4° each side of rangeline. 1917–1970
2391	SHILSHOLE BAY ENTRANCE RANGE REAR LIGHT. **E. Int. R., 6^s**	On railway embankment, 250 yards 146° from front light.	....	....	KWR on skeleton tower 81	1,600 cp visible 4° each side of rangeline. 1917–1966
	Shilshole Bay Entrance Buoy 1	In 40 feet 47 40.8 122 24.8	....	....	Black can	Ra ref. White reflector
	Shilshole Bay Entrance Buoy 2	In 52 feet	....	....	Red nun	Ra ref. Red reflector.
	Shilshole Bay Channel Buoy 3	In 30 feet	....	....	Black can	White reflector.
	Shilshole Bay Channel Buoy 4	In 30 feet	....	....	Red nun	Red reflector.
2392 2281	SHILSHOLE BAY BREAKWATER LIGHT. **Fl. W., 2.5^s**	On south end of breakwater. 47 40.6 122 24.7	 2,000	....	SB on white house 22	HORN, diaphragm; 2 blasts ev 20^s (2^{s}bl-2^{s}si-2^{s}bl-14^{s}si). 1958

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND										
	LAKE WASHINGTON SHIP CANAL										
	SHILSHOLE BAY TO HIRAM M. CHITTENDEN LOCKS										
	Shilshole Bay Channel Buoy 6	In 33 feet					Red nun			Red reflector.	
	Shilshole Bay Channel Buoy 7	In 30 feet					Black can			White reflector.	
	SHILSHOLE BAY INNER LIGHT Fl. W., 4^s	In 4 feet	47 40.3	122 24.4	100		TR on white platform on dolphin.		15		1918–1952
	Shilshole Bay Channel Buoy 8	In 32 feet					Red nun			Red reflector.	
	Shilshole Bay Channel Buoy 9	In 30 feet					Black can			White reflector.	
	Shilshole Bay Channel Buoy 12	In 35 feet					Red nun			Red reflector.	
4	LOWER GUIDE WALL LIGHT F. W.	On piling at west end of guide wall.	47 40.1	122 24.2	2,000		SB on pile structure		8		1917–1926
	LAKE WASHINGTON SHIP CANAL SIGNALS. F. R. (See Remarks) F. G.	On guide wall below Great Northern Railway bridge.							10	If neither light is shown, vessels bound for large lock must stop at "Stop" sign (below small lock) until directed to proceed. Red light must not be passed by vessels bound for large lock; green light indicates that they may proceed. Vessels bound for small lock may disregard lights and proceed to "Stop" sign below that lock. Maintained by Corps of Engineers, U. S. Army.	
	HIRAM M. CHITTENDEN LOCKS TO LAKE WASHINGTON										
6	UPPER GUIDE WALL LIGHT F. R.	At east end of guide wall.					TR on pile structure		14		1918
	Salmon Bay Channel Buoy 5	In 24 feet, at turn in channel.	47 39.5	122 22.1			Black can			White reflector.	
	Lake Union Buoy 13	In 40 feet, off point, north end of lake, at turn.					Black can			White reflector.	
96.51	REVERMAN DOCK LIGHT F. R.	In 40 feet, at end of dock.	47 38.5	122 20.4			Dolphin		4	Private aid.	1965
	Lake Union Shoal Buoy 2	Marks shoal	47 37.8	122 20.2			Red nun			Red reflector.	
98.11	COAST AND GEODETIC SURVEY DOLPHIN LIGHT. F. R.	In 45 feet	47 38.2	122 19.8			Dolphin		15	Maintained by U. S. Coast and Geodetic Survey, Seattle, Wash.	1964
98.12	FLO VILLA LIGHTS 2 F.R.	In 48 feet					Dolphins		10	Private aid.	1968
	Lake Union Channel Buoy 16	In 32 feet, west of University Bascule Bridge.					Red nun			Red reflector.	
	Lake Union Channel Buoy 18	In 30 feet					Red nun			Red reflector.	
	Portage Bay Channel Buoy 19	In 30 feet, east of University Bascule Bridge.					Black can			White reflector.	
	Portage Bay Channel Buoy 20	In 29 feet					Red nun			Red reflector.	
	Portage Bay Channel Buoy 22	In 30 feet					Red nun			Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND										
	LAKE WASHINGTON SHIP CANAL										
	HIRAM M. CHITTENDEN LOCKS TO LAKE WASHINGTON										
2398.13	UNIVERSITY OF WASHINGTON BARGE LIGHTS A, B. F. W. F. W.	On north side of bay near entrance to Portage Cut.			....	....	On bow and stern of permanently moored barracks barge.		21 20	Private aids.	1964
	Portage Bay Channel Buoy 23	In 24 feet			....	....	Black can			White reflector.	
	Portage Bay Channel Buoy 24	In 26 feet			....	....	Red nun			Red reflector.	
	Union Bay Channel Buoy 27	In 25 feet, east of Montlake Bascule Bridge.			....	....	Black can			White reflector.	
	Union Bay Channel Buoy 28	In 32 feet			....	....	Red nun			Red reflector.	
	Union Bay Channel Buoy 29	In 24 feet			....	....	Black can			White reflector.	
	Union Bay Channel Buoy 30	In 30 feet			....	....	Red nun			Red reflector.	
	Union Bay Channel Buoy 31	In 30 feet			....	....	Black can			White reflector.	
	Union Bay Channel Buoy 33	In 30 feet			....	....	Black can			White reflector.	
	Union Bay Channel Buoy 34	In 35 feet			....	....	Red nun			Red reflector.	
	LAKE WASHINGTON (Chart 690 SC)										
2399	WEBSTER POINT LIGHT **Fl. W., 4^{s}**	In 18 feet. Off point, at east entrance to Lake Washington Ship Canal.	47 38.9	122 16.5	120	....	SB on white house on pile structure.		19	Light obscured from 121° to 199°.	1919–1955
	Juanita Bay Buoy 2	In 24 feet	47 41.7	122 13.0	....	....	Red nun			Ra ref. Red reflector.	
	Juanita Bay Daybeacon 4	In 6 feet, off Nelson Point.	47 41.8	122 13.0	....	....	TR on pile				
	Juanita Bay Buoy 6	In 11 feet	47 41.9	122 13.0	....	....	Red nun			Ra ref. Red reflector.	
2400	NOLL WHARF LIGHT **F. R.**	At end of wharf	47 43.2	122 16.7	....	....	....		3	Private aid.	1952
2400.51	Second Lake Washington Toll Bridge North Fog Signal.	On northwest end of draw span.			....	....	Fender pontoon			HORN, diaphragm; (low tone) 1 blast ev 30^{s} (4^{s}bl). Private aid.	1963
2400.52	Second Lake Washington Toll Bridge South Fog Signal.	On southwest end of draw span.			....	....	Fender pontoon			HORN, diaphragm; (high tone; 2 blasts ev 30^{s} (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si). Private aid.	1963
	Corinthian Yacht Club Buoys B, C, G, H, J, K, L, M, N, S, Y, Z.	In 150 to 206 feet, on western shore between Union Bay and Lake Washington Bridge.			....	....	Orange and white horizontally banded spars.			Private aids.	
2400.75	BELLEVUE MARINA DOCK LIGHTS. **2 F. R.**	In 13 feet, mark northwest and southwest corners of dock.	47 36.6	122 12.5	....	....	....		4	Private aids.	1965
2400.80	MEYDENBAUER BAY YACHT CLUB LIGHTS. **3 F. R.** **3 F. G.**	Marks ends of piers	47 36.5	122 12.5	100	....	....		10	Red light on left end and green light on right end of each pier as seen from the bay. Private aid.	1966
2400.90	SOUTH LESCHI BREAKWATER LIGHTS. **(5) F. R.**	On breakwater, in 20 feet.			....	....	Dolphin		10	Marks breakwater. Private aid.	1967

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PUGET SOUND								
	LAKE WASHINGTON								
	— Bridge North Fog Signal	On north end of draw span. 47 35.4 122 15.6	....	....	Bridge house			HORN, diaphragm; 1 blast ev 30^s (4^sbl). Private aid.	1940
	— Bridge South Fog Signal	On south end of draw span.	....	....	....			HORN, diaphragm; 2 blasts ev 30^s (2^sbl-2^ssi-2^sbl-24^ssi). Private aid.	1940
	— *Lighted Buoy A* F. W.	.... 47 34.9 122 16.0	....	....	Orange and white horizontal bands.			Private aid maintained from Apr. 1 to Aug. 1.	
	— *Lighted Buoy B* F. W.	....	....	....	Orange and white horizontal bands.			Private aid maintained from Apr. 1 to Aug. 1.	
	Renton Log Storage Area Lighted Buoys K, L. Qk. Fl. W.	In 68 feet, marks north end of log storage area in southern end of lake.	....	....	Orange and white horizontal bands.			Private aids.	
	Renton Log Storage Area Buoys A, B, C, D, E, F, G, H, J.	In 65 to 85 feet of water. Marks log storage area in southern end of lake.	....	....	White can or log			White reflector. Private aids.	
	SQUAXIN PASSAGE (Chart 6461)								
5	HUNTER POINT LIGHT Fl. W., 4^s	On point 47 10.5 122 55.1	 1,800	....	SB on pole		15	Light obscured from 338° to 113°.	1935–1958
	— Reef Buoy 2	In 9 feet, southeasterly of Hope Island, marking a reef.	....	....	Red nun			Red reflector.	
	HAMMERSLEY INLET (Chart 6461)								
7	ARCADIA LIGHT Fl. W., 4^s	On point, south side of entrance to inlet. 47 11.9 122 56.2	....	....	SB on white house		18		1903–1957
	— Buoy 1	In 6 feet	....	....	Black can			White reflector.	
	— Buoy 2	In 5 feet	....	....	Red nun			Red reflector.	
08	LIBBY POINT LIGHT Fl. R., 4^s	On point	....	....	TR on white house		15		1935–1948
109	CHURCH POINT LIGHT Fl. W., 4^s	On point	....	....	TR on white house		20		1906–1935
	POSSESSION SOUND (Chart 6450)								
10 63	*Possession Point Lighted Bell Buoy 1.* Fl. W., 4^s	In 68 feet, off point 47 53.8 122 23.0	 125	....	Black				
111	MUKILTEO LIGHT Fl. W., 5^s (2^sfl) Resident Personnel.	On Elliot Point 47 56.9 122 18.3	15 17,000	11	White octagonal tower attached to building.	30	33	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1906
	Gedney Island Junction Buoy	In 24 feet, marks shoal off point. 48 00.3 122 17.7	....	....	Red and black horizontal bands, nun.			Ra ref. Red reflector.	
	Port Gardner								
	— Buoy 1	In 85 feet, marks shoal.	....	....	Black can			White reflector.	
412	— *Lighted Bell Buoy 3* Fl. W., 4^s	In 50 feet	 100	....	Black			Ra ref.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	POSSESSION SOUND										
	Port Gardner										
	EVERETT HARBOR (Chart 6441)										
2413	Pier 2 Fog Signal	On roof of warehouse at outer end of pier.	45 58.8	122 13.3	....	....	On roof of warehouse			BELL: 1 stroke ev 12^s. Private aid.	1944
2414	SNOHOMISH RIVER LIGHT 4 **Fl. R., 4^s**	On southwest corner of dock.	47 59.1	122 13.7	400	....	TR on white square house		14	HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1949
2415	SNOHOMISH RIVER LIGHT 5 **Fl. G., 4^s**	In 4 feet, on south end of jetty.			....	....	SB on white cylindrical house on dolphin.		17		1920–1949
2415.11	SNOHOMISH RIVER RANGE FRONT LIGHT. **Qk. Fl. G.**	On training dike	48 00.9	122 13.3	....	....	KWR on skeleton tower		15	450 cp on rangeline with lower intensity elsewhere.	1966
2415.12	SNOHOMISH RIVER RANGE REAR LIGHT. **E. Int. G., 6^s**	463 yards 005° from front light.			....	....	KWR on skeleton tower		30	900 cp on rangeline with lower intensity elsewhere.	1966
	Snohomish River Channel Buoy 6	In 15 feet			....	....	Red nun			Red reflector.	
	Snohomish River Channel Buoy 8	In 12 feet			....	....	Red nun			Red reflector.	
	Snohomish River Channel Buoy 15	In 6 feet			....	....	Black can			White reflector.	
2416	SNOHOMISH RIVER CHANNEL LIGHT 16. **Fl. R., 4^s**	In 1 foot, at end of spur dike.			....	....	TR on pile		15		1958–1971
	PORT SUSAN										
	TULALIP BAY (Charts 6441, 6450)										
	— Buoy 2	In 42 feet, northwesterly of Mission Beach.	48 03.3	122 17.6	....	....	Red nun			Red reflector.	
	SARATOGA PASSAGE (Charts 6448, 6450, 6404)										
	Camano Head Buoy 1	In 45 feet, marks submerged rock southeasterly of head.			....	....	Black can			White reflector.	
2417	SANDY POINT LIGHT **Fl. G., 4^s**	On point	48 02.1	122 22.5	....	....	SB on white house		24		1888–1956
2418	EAST POINT LIGHT **Fl. W., 4^s**	On point			200	....	SB on white house on pile structure.		21		1938
	Holmes Harbor Buoy 1	In 28 feet, off end of shoal off Rocky Point.			....	....	Black can			White reflector.	
2419	— LIGHT 2 **Fl. R., 4^s**	On shore, northwesterly of Lowell Point.			....	....	TR on white house		15		1945–1971
2420	ONAMAC POINT LIGHT **Fl. W., 4^s**	On shore, on point northerly of Camano.			100	....	TR on white house		15		1945–1971
	Snatelum Point Buoy 1	In 66 feet, marks shoal off point.			....	....	Black can			Ra ref. White reflector.	
	OAK HARBOR (Chart 6404)										
2421	— LIGHT 1 **Fl. W., 4^s**	In 5 feet, ½ mile westerly of Maylor Point.			100	....	SB on white platform on dolphin.		15		1950

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
SARATOGA PASSAGE										
OAK HARBOR										
—LIGHT 3 **Fl. G., 4^{s}**	In 11 feet			....	....	SB on white platform on dolphin.		15		1950
FORBES POINT LIGHT **Fl. W., 5^{s}(1^{s}fl)**	On shore, at Forbes Point.	48 16.2	122 37.4	1,800	....	NR on skeleton tower	10	30		1958
Crescent Harbor Lighted Bell Buoy 3. **Fl. W., 4^{s}**	In 34 feet, easterly of Forbes Point.	48 16.1	122 36.3	100	....	Black				
Point Polnell Lighted Buoy 5 **Fl. W., 4^{s}**	In 32 feet, off point			100	....	Black			Ra ref.	
POINT POLNELL LIGHT **Gp. Occ. W., 15^{s}** 3^{s}lt., 1^{s}ec. 3^{s}lt., 1^{s}ec. 3^{s}lt., 4^{s}ec. 3 flashes.	On shore, at Point Polnell.	48 16.4	122 33.5	2,000	....	NR on pole		100		1958
SKAGIT BAY (Chart 6450)										
—SKAGIT RIVER JETTY LIGHT. **Fl. R., 4^{s}**	In 6 feet	48 16.2	122 23.6	....	....	TR on white platform on dolphin.		15		1957
—Buoy 2	In 12 feet	48 16.8	122 29.8	....	....	Red nun			Red reflector.	
STRAWBERRY POINT LIGHT **Fl. W., 4^{s}**	In 8 feet, off point	48 17.9	122 30.1	....	....	SB on white platform on dolphin.		15		1945–1963
—Buoy 4, 6	In 12 feet			....	....	Red nun			Red reflector.	
—*Lighted Buoy 8* **Fl. R., 4^{s}**	In 38 feet			....	....	Red			Ra ref.	
Goat Island Echo Board	In 5 feet, ½ mile south of Goat Island.	48 21.1	122 31.3	....	....	White square board on dolphin.				
SWINOMISH CHANNEL SOUTH ENTRANCE (Chart 6376)										
La Conner South Jetty Buoy 2	In 12 feet, west of Goat Island, marking entrance to channel.	48 21.7	122 33.2	....	....	Red nun			Red reflector.	
LA CONNER SOUTH JETTY LIGHT. **Fl. W., 4^{s}**	In 2 feet, marking end of jetty, 60 feet outside channel light.	48 21.7	122 33.1	....	....	TR on white platform on dolphin.		16		1909–1944
La Conner South Jetty Buoy 4	In 12 feet			....	....	Red nun			Red reflector.	
La Conner South Jetty Buoy 6	In 14 feet			....	....	Red nun			Red reflector.	
La Conner South Jetty Buoy 8	In 12 feet, northwesterly of Goat Island.			....	....	Red nun			Red reflector.	
La Conner North Jetty Buoy 7	In 8 feet, off outer end of north jetty.			....	....	Black can			White reflector.	
LA CONNER JETTY LIGHT **Fl. G., 4^{s}**	In 6 feet, at outer end of north jetty.			....	....	SB on white platform on dolphin.		10		1887–1943

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SKAGIT BAY										
	SWINOMISH CHANNEL SOUTH ENTRANCE										
2434	—RANGE FRONT LIGHT .... **Qk. Fl. W.**	In 15 feet, westerly of Goat Island.	48 21.6	122 34.0	 100	....	KWR on skeleton tower		16	1,200 cp on rangeline with lower intensity elsewhere.	1960–1966
2435	—RANGE REAR LIGHT .... **E. Int. W., 6^{s}**	In 1 foot, 1,100 yards 252° from front light.			....	....	KWR on skeleton tower		40	3,000 cp visible 4° each side of rangeline.	1960
	SWINOMISH CHANNEL (Chart 6376)										
2436	LA CONNER LIGHT .... **Qk. Fl. W.**	On shore, west side of entrance to Hole in the Wall.	48 22.3	122 30.6	....	....	SB on white house on concrete crib.		15		1887–1943
2437	HOLE IN THE WALL LIGHT ..... **Qk. Fl. R.**	On point, NcGlinn Island.			....	....	TR on concrete pedestal		15		1887–1965
2438	—LIGHT .... **Fl. R., 4^{s}**	In 8 feet, 8 miles south of Swinomish Channel Highway Bridge.	48 23.0	122 30.3	....	....	TR on white platform on dolphin.		15		1959
2439	LA CONNER RANGE FRONT LIGHT. **Qk. Fl. W.**	In 8 feet, 1 mile north of La Conner.	48 24.8	122 29.7	 100	....	White square daymark with red vertical stripe on dolphin.		15	1,000 cp on rangeline with lower intensity elsewhere.	1937
2440	LA CONNER RANGE REAR LIGHT. **E. Int. W., 6^{s}**	On shore, 180 yards 002° from front light.			....	....	White diamond daymark with red vertical stripe on skeleton tower.		23	3,000 cp visible 4° each side of rangeline.	1937–1945
	—Buoy 9	In 8 feet. Marks rock.			....	....	Black can			White reflector.	
	—Buoy 10	In 15 feet..........			....	....	Red nun			Red reflector.	
2441.11	—LIGHT 11 .... **Fl. G., 4^{s}**	In 1 foot	48 25.5	122 30.1	....	....	SB on dolphin		27	Higher intensity beam up channel.	1968
	— Buoy 12	In 7 feet	48 25.5	122 29.9	....	....	Red nun			Red reflector.	
	(For North Entrance, see No. 2460)										
	SKAGIT BAY										
2443	SEAL ROCKS LIGHT .... **Fl. R., 4^{s}**	On highest group of rocks.	48 22.4	122 33.7	....	....	TR on white house		20		1935–1945
2444	HOPE ISLAND LIGHT .... **Fl. W., 4^{s}**	On western tip of island.			....	....	TR on white conical house on skeleton tower.		23		1913–1939
	DECEPTION PASS (Chart 6376)										
2445	BEN URE ISLAND LIGHT .... **Fl. R., 4^{s}**	On north end of island.	48 24.2	122 37.6	....	....	TR on white conical house on tower.		25		1913–1939
2446	—LIGHT .... **Fl. W., 4^{s}**	On southwest end of Fidalgo Island, Lighthouse Point.			....	....	SB on white cylindrical house on skeleton tower.		60		1888–1939
	Cornet Bay Daybeacon 1, 2, 3, 4, 5, 6, 7, 8.	In 6 feet			....	....	Even numbered, SW with red number on pile; odd numbered, SW with black number on pile.			Private aids.	
	(For Rosario Strait, see No. 2474)										

(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic	(6) Structure			(7)	
Characteristic	Lat. N.	Long. W.	Intensity	Range		Ht. above ground	Ht. above water	Remarks	Year
GUEMES CHANNEL									
—*Lighted Buoy 2* **Fl. R., 4^{s}**	In 48 feet				Red			Ra ref.	
—*Lighted Buoy 3* **Fl. W., 4^{s}**	In 60 feet		120		Black			Ra ref.	
FIDALGO BAY									
ANACORTES HARBOR (Chart 6376)									
Port Dock Fog Signal	On Port Dock warehouse, Guemes Channel. 48 31.4	122 36.7						SIREN 2 blasts ev 60^{s} (7^{s}bl-10^{s}si-3^{s}bl-40^{s}si). Private aid.	1931–1964
ANACORTES DOCK LIGHTS **2 F. R.**	On dock corners 48 31.3	122 36.4			Dock		10	Private aid.	1968
CAPSANTE RANGE FRONT LIGHT. **F. R.**	On shore 48 30.7	122 36.5			KWR on pole		20	Private aid.	1931–1964
CAPSANTE RANGE REAR LIGHT. **F. R.**	125 yards 270° from front light.				KWR on pole		25	Private aid.	1931–1964
Capsante Waterway Buoy 1	In 12 feet				Black can			Ra ref. White reflector.	
Capsante Waterway Lighted Buoy 2. **Fl. R., 4^{s}**	In 12 feet				Red			Ra ref.	
Capsante Waterway Lighted Buoy 3. **Fl. W., 4^{s}**	In 12 feet				Black			Ra ref.	
Capsante Waterway Buoy 4	In 12 feet				Red nun			Ra ref. Red reflector.	
CAPSANTE WATERWAY NORTH BREAKWATER LIGHT. **Fl. R., 4^{s}**	In 13 feet				TR on white platform on dolphin.		14		1957–1964
CAPSANTE WATERWAY SOUTH BREAKWATER LIGHT. **Fl. G., 4^{s}**	In 12 feet				SB on white platform on dolphin.		14		1957–1964
Fidalgo Bay Shoal Buoy 2	In 30 feet				Red nun			Red reflector.	
PADILLA BAY									
THE TEXAS COMPANY WHARF LIGHTS. **2 F. R.**	Marks eastern and western ends of wharf. 48 30.6	122 34.6			Mooring platform		25	Private aids.	1958
SHELL OIL COMPANY WHARF LIGHTS. **2 F. R.**	On western end of off March Point. 48 30.5	122 30.5					30 25	HORN, diaphragm; 1 blast ev 30^{s}(2^{s}bl). Private aids.	1956
SWINOMISH CHANNEL NORTH ENTRANCE (Chart 6376)									
MARCH POINT LIGHT **Fl. W., 4^{s}**	In 15 feet, north of point. 48 30.7	122 33.3			TR on white platform on dolphin.		18		1894–1935
—Buoy 4	In 14 feet, northeasterly of March Point.				Red nun			Red reflector.	
PADILLA BAY LIGHT 6 **Fl. R., 4^{s}**	In 14 feet, easterly of March Point. 48 30.0	122 32.8			TR on white platform on dolphin.		15		1959
—Buoy 7	In 12 feet				Black can			White reflector.	
—Buoy 8	In 12 feet				Red nun			Red reflector.	
—LIGHT 10 **Fl. R., 4^{s}**	In 8 feet, southeasterly of March Point. 48 29.3	122 32.3			TR on white platform on dolphin.		18		1937
—Buoy 12	In 8 feet				Red nun			Red reflector.	
—Buoy 13	In 8 feet				Black can			White reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	PADILLA BAY								
	SWINOMISH CHANNEL NORTH ENTRANCE								
	—Buoy 14	In 9 feet				Red nun		Red reflector.	
	—Buoy 16	In 12 feet				Red nun		Red reflector.	
	—Buoy 17	In 8 feet				Black can		White reflector.	
2459	—LIGHT 18 **Fl. R., 4^s**	In 10 feet, 0.7 mile northerly of Whitmarsh Junction.				TR on white platform on dolphin.	18		1937–1945
	—Buoy 20	In 12 feet				Red nun		Red reflector.	
	—Buoy 22	In 8 feet				Red nun		Red reflector.	
	—Buoy 23	In 10 feet				Black can		White reflector.	
	—Buoy 24	In 9 feet				Red nun		Red reflector.	
2460	—LIGHT 26 **Fl. R., 4^s**	In 9 feet, easterly of Whitmarsh Junction.				TR on white platform on pile	15		1937–1959
	—Buoy 28	In 8 feet				Red nun		Red reflector.	
	—Buoy 29	In 8 feet				Black can		White reflector.	
	—Buoy 30	In 9 feet				Red nun		Red reflector.	
	(For Swinomish Channel, see No. 2441.11)								
	PADILLA BAY (Chart 6378)								
2461	WILLIAM POINT LIGHT **Fl. W., 4^s**	On point, Samish Island. 48 35.0	122 33.5			TR on white house	30		1889–1935
	BELLINGHAM CHANNEL (Charts 6380, 6378)								
	Yellow Bluff Reef Buoy 2	In 30 feet. Marks reef southwesterly of Guemes Island. 48 31.9	122 39.5			Red nun		Red reflector.	
2462	CYPRESS ISLAND LIGHT **Fl. W., 4^s**	On east point of island. 48 34.0	122 40.0	100		SB on pedestal	16	Higher intensity beam up and down channel.	1907–1935
2463	SINCLAIR ISLAND LIGHT **Fl. G., 4^s**	On southeast point of island.				SB on white house	32		1944
	Vendovi Island Shoal Buoy 4	In 49 feet, marks shoal southwesterly of island.				Red nun		Ra ref. Red reflector.	
2464	VITI ROCKS LIGHT **Fl. W., 4^s**	On rocks, southeasterly of Carter Point, Lummi Island. 48 38.0	122 37.3			SB on white house	45		1907–1911
2465	ELIZA ROCK LIGHT **Fl. W., 4^s**	On rock off south end of Eliza Island.		100		SB on white pyramidal house	21	BELL: 1 stroke ev 10^s continuously.	1923–1928
2466	—AERO LIGHT **Alt. Fl. W. & R., 10^s**	South of Chuckanut Bay. 48 39.6	122 30.0			Tower 108	308	Maintained by Federal Aviation Agency.	1941
2467	*Post Point Lighted Bell Buoy 2* **Fl. W., 4^s**	In 108 feet, off shoal of point.		125		Red			
	Starr Rock Buoy 4	In 40 feet, 35 yards west of rock.				Red nun		Red reflector.	

WASHINGTON

THIRTEENTH DISTRICT

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	BELLINGHAM BAY									
	WHATCOM WATERWAY LIGHT 2 . . **Fl. W., R. sector, 4^{s}**	In 22 feet	48 44.5	122 29.9	W. 400 R. 130	. . . .	TR on white platform on pile structure.	15	Red from 306° to 035°, westerly edge covers Post Point Lighted Bell Buoy 2. BELL: 1 stroke ev 15^{s} continuously.	1964 – 1967
	WHATCOM WATERWAY PIER LIGHTS. **F. R.** **F. G.**	Mark southwest and southeast corners of pier.			. . . .	. . . .	Pier	9	Private aids.	1964 – 1967
	I J Waterway Buoy 1.	In 14 feet, westerly of City Hall tower.			. . . .	. . . .	Black can		White reflector.	
	I J Waterway Buoy 2.	In 11 feet.			. . . .	. . . .	Red nun		Red reflector.	
	BELLINGHAM BREAKWATER ENTRANCE LIGHT 2. **Fl. W., 4^{s}**	On outer end of south breakwater.	48 45.2	122 30.4	. . . . 3, 000	. . . .	TR on white house	24	HORN, diaphragm; 1 blast ev 15^{s}(2^{s}bl).	1958
	BELLINGHAM BREAKWATER ENTRANCE LIGHT 1. **Fl. G., 4^{s}**	On southeast end of breakwater at east entrance to basin.			. . . .	. . . .	SB on white platform on pile . . .	17		1958
	SQUALICUM CREEK ENTRANCE LIGHT. **Fl. W., 4^{s}**	At northwest end of outer breakwater.	48 45.4	122 30.8	 120	. . . .	TR on white house	12		1934 – 1967
	BELLINGHAM BREAKWATER NORTH ENTRANCE LIGHT. **Fl. R., 4^{s}**	On inner pier at west entrance to basin.	48 45.5	122 30.6	. . . .	. . . .	TR on white platform on pile . . .	17		1958
	HALE PASSAGE (Chart 6378)									
	Bellingham Bay Rocks Buoy	In 21 feet marks south edge of rocks, between Bellingham Bay and Hale Passage.	48 40.4	122 35.4	. . . .	. . . .	Red and black horizontal bands; nun.		Red reflector.	
5	*Point Frances Shoal Lighted Buoy 2.* **Qk. Fl. R.**	In 18 feet, marks shoal southerly of point.			. . . .	. . . .	Red		Ra ref.	
0	LUMMI ISLAND LIGHT . . . . **Fl. W., 4^{s}**	On shore	48 41.5	122 38.6	 250	. . . .	SB on white box			1965
	Point Frances Shoal Buoy 4	In 28 feet, marking shoal westerly of point.			. . . .	. . . .	Red nun		Red reflector.	
	Lummi Point Lighted Buoy 5 . . . . **Fl. W., 4^{s}**	In 25 feet, off point . . .	48 44.1	122 41.1	 100	. . . .	Black.		Ra ref.	
1	*Point Migley Lighted Buoy* . . . . **I. Qk. Fl. W.**	In 47 feet, marks shoal northwesterly of point.			 100	. . . .	Red and black horizontal bands.		Ra ref.	
	ROSARIO STRAIT (Chart 6380)									
	Lawson Reef Bell Buoy	In 28 feet, marks east end of reef.	48 24.1	122 42.7	. . . .	. . . .	Red and black horizontal bands . .		Ra ref. Red reflector.	
	(For Deception Pass, see No. 2446)									
	Lawson Reef Lighted Bell Buoy 2 . . . **Fl. R., 4^{s}**	In 36 feet, easterly of Davidson Rock.			. . . .	. . . .	Red.		Ra ref.	
	DAVIDSON ROCK LIGHT . . . . **Fl. W., 4^{s}**	In 8 feet, off southeastern tip of Lopez Island.			6 200	9	SB on white house on concrete pier.	15	Higher intensity beam toward Burrows Island Light. BELL: 1 stroke ev 20^{s}.	1934

(1) No.	(2) Name / Characteristic	(3) Location / Lat. N. Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ROSARIO STRAIT								
2477.11	*Williamson Rocks Lighted Gong Buoy 4.* Fl. W., 4^s	In 120 feet 48 26.9 122 42.3	350	....	Red			Ra ref.	
	Kellett Ledge Buoy 3	In 57 feet, marks ledge. 48 27.0 122 47.4		....	Black can			White reflector.	
	Dennis Shoal Buoy 6	In 38 feet		....	Red nun			Red reflector.	
2478	BURROWS ISLAND LIGHT Gp. Fl. W., R. sector 15^s 2^{s}fl., 2^{s}ec. 2^{s}fl., 9^{s}ec. 2 flashes. Resident Personnel.	On western tip of Burrows Island. 48 28.6 122 42.7	16W 25,000 13R 5,000	13	White square tower on building	34	57	Red from 311° to 009° covers Allan Island and Dennis Shoal. HORNS, diaphragm; 2 blasts ev 30^s(2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1906
	Burrows Bay Junction Buoy	In 27 feet, to mark submerged rock.		....	Red and black horizontal bands; nun.			Ra ref. White reflector.	
2479	LOPEZ PASS LIGHT Fl. W., 4^s	On south end of Decatur Island.		....	TR on white house		21		1903–1929
	Mud Bay Daybeacon	On reef in Mud Bay, southern part of Lopez Sound.		....	SB on white box on iron spindle.				
	Center Island Reef Buoy 2	In 24 feet		....	Red nun			Ra ref. Red reflector.	
	Lopez Sound Buoy 1	In 12 feet, mark submerged rock.		....	Black can			Ra ref. White reflector.	
2480	BELLE ROCK LIGHT Fl. W., 4^s	On rock, middle of strait.	100	....	SW on white square house on black cylindrical base.		20	Higher intensity beam up intensity beam up and down channel.	1921–1927
2481	SHANNON POINT LIGHT 2 Fl. W., 4^s	In 6 feet 48 30.6 122 40.9	200	....	TR on white platform on pile structure.		15	HORN, diaphragm; 1 blast ev 30^s (3^{s}bl). Ra ref.	1962
2481.11	*—Lighted Gong Buoy 8* Fl. R., 4^s	In 76 feet 48.31.5 122 43.5		....	Red			Ra ref.	
2482	FAUNTLEROY POINT LIGHT Fl. W., 4^s	On northeast end of Decatur Island.		....	SB on white house with white echo board.		40	BELL: 1 stroke ev 15^s	1936
	Lawson Rock Buoy	In 33 feet, south edge of reef in Thatcher Pass.		....	Red and black horizontal bands; nun.			Ra ref. Red reflector.	
	Undertakers Reef Buoy 2	In 30 feet, NW of Decatur Island.		....	Red nun			Ra ref. Red reflector.	
2483	LEO REEF LIGHT Fl. W., 4^s	On east end of reef, entrance to Swifts Bay, Lopez Island.		....	SB on white house on black pyramidal base.		15		1934–1949
2483.11	*Blakely Island Shoal Lighted Buoy BS.* I. Qk. Fl. W.	In 120 feet 48 34.2 122 50.7	110	....	Red and black horizontal bands.			Ra ref.	
2484	UPRIGHT HEAD FERRY LANDING LIGHT. F. R.	In 55 feet, marks floating dolphin, off ferry landing dock. 48 34.3 122 52.9		....	Black float		15	Private aid.	1956–1964
	Shag Rock Daybeacon	On rock 300 yards offshore, between Foster Point and Diamond Point, Orcas Island.		....	SB on iron spindle			Rock bares at high water.	
2485	PEAVINE PASS LIGHT Fl. R., 4^s	On southwest point of Obstruction Island, westerly entrance to pass.		....	TR on white house		22		1888–1932
	Black Rock Daybeacon	On rock, southeasterly of Blakely Island.		....	SB on barrel, on iron spindle			Rock 4 feet above water.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ROSARIO STRAIT									
	Peavine Pass Rocks Daybeacon	On rock, off northerly end of Blakely Island, easterly entrance to pass.				SB on iron spindle				
	OBSTRUCTION PASS LIGHT **Fl. W., 4^s**	On northeast point of island, easterly entrance to pass.				SB on white house		23		1893–1957
	Lydia Shoal Lighted Gong Buoy 13. **Qk. Fl. G.**	In 184 feet 48 36.0	122 46.7			Black			Ra ref.	
	Buckeye Shoal Lighted Bell Buoy 14. **Fl. R., 4^s**	In 28 feet, marks shoal west of Sinclair Island.				Red			Ra ref.	
1	*Boulder Reef Lighted Bell Buoy 2.* **Fl. W., 4^s**	In 42 feet, marks reef north of Sinclair Island.		100		Red			Ra ref.	
	PEAPOD ROCKS LIGHT **Fl. W., 4^s**	On North Peapod Rock southerly of Lawrence Point Orcas Island.		100		SB on white octagonal house		35	BELL: 1 stroke ev 30^s.	1903–1935
	LUMMI ROCKS LIGHT **Fl. W., 4^s**	On southwest rock 48 40.2	122 40.1			TR on small white house		20		1953
	VILLAGE POINT LIGHT **Fl. W., 4^s**	On point		100		Red and white checkered square daymark on skeleton tripod.		24	Higher intensity beam towards Rosario Strait and Boundary Bay. Obscured from 180° to 264°. Red reflector.	1966
	(For Strait of Georgia, see No. 2526)									
	SAN JUAN CHANNEL (Charts 6379, 6380)									
	ICEBERG POINT LIGHT **Fl. R., 4^s**	On point, south end of Lopez Island. 48 25.3	122 53.5	5 100	11	TR on white square concrete house.		35	HORN, diaphragm; 1 blast ev 30^s (3^sbl). Not sounded from Nov. 15 July 15.	1916–1964
	Salmon Bank Buoy 5	In 22 feet				Black can			White reflector.	
	RICHARDSON LIGHT **Fl. W., 4^s**	On rock ledge, southwesterly of Richardson, and north of Charles Island.				Black and white checkered square daymark on white box.		19	White reflector.	1914–1964
	Twin Rocks Daybeacon	On northeast rock, north of Charles Island. 48 26.8	122 54.6			Black and white checkered square daymark on iron spindle.			White reflector.	
	CATTLE POINT LIGHT **Fl. W., 4^s**	On southeast point of San Juan Island. 48 27.1	122 57.7	5 100	16	Black square daymark on white square house with white octagonal tower.		94	Green reflector.	1888–1935
	Fisherman Bay Entrance Daybeacon 1.	On rock				SW on pile				
11	FISHERMAN BAY ENTRANCE CHANNEL LIGHT 2. **Fl. W., R. sector, 4^s**	In 3 feet		5	8	TR on pile		15	Red from 169° to 273°.	1971
	Fisherman Bay Channel Daybeacon 5.	In 2 feet				SW on pile				
	Fisherman Bay Channel Daybeacon 7.	In 2 feet				SW on pile				
	Fisherman Bay Channel Daybeacon 8.	In 3 feet				TR on pile				

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN JUAN CHANNEL										
2494 G5126	TURN ROCK LIGHT Fl. W., 4^{s}	On rock, 0.2 mile east of Turn Island.	48 32.0	122 57.8	....	....	Black square daymark on white square house on cylindrical base.		18	Rock ledge bare at half tide. Green reflector.	1915–1930
	Minnesota Reef Buoy 1	In 90 feet, marks north edge of reef between Turn Island and Brown Island.			....	....	Black can			White reflector.	
	Brown Island Buoy 2	In 30 feet, marks reef southeasterly of island.			....	....	Red nun			Red reflector.	
2494.11	FRIDAY HARBOR PIER LIGHTS 2 F. R.	Mark corners of pier	48 32.7	123 00.6	....	....	Pile		6	Private aids.	1964
2494.13	*Reid Rock Lighted Bell Buoy* I. Qk. Fl. W.	In 195 feet, marks east edge of rock, northwesterly of Turn Rock.			....	....	Black and red horizontal bands.			Ra ref. Rock has depth of 2½ fathoms over it.	
2495 G5078	SHIRT TAIL REEF LIGHT Fl. G., 4^{s}	On south end of reef at west entrance to Wasp Passage.	48 35.3	123 01.2	....	....	SB with echo board		19		1952–1959
2496 G5076	CLIFF ISLAND LIGHT Fl. W., 4^{s}	On south shore of island.			....	....	SB on white square house on concrete pedestal.		15		1936–1937
2497 G5075	BIRD ROCKS LIGHT Fl. W., 4^{s}	On south end of reef	48 35.9	123 00.8	....	....	SB on white platform on pile structure.		15		1958
2498 G5074	POLE PASS LIGHT Fl. R., 4^{s}	On southwestern part of Orcas Island, opposite Crane Island.			....	....	TR on white house		15		1887–1929
2499 G5072	WASP PASSAGE LIGHT Fl. W., 4^{s}	On rock, 300 yards east of Bell Island.			....	....	Black and red rectangular daymark on house on pyramidal structure.		15	Green over red reflectors.	1936–1949
	Jones Island Rock Daybeacon	On rock, off Jones Island, Spring Passage.	48 37.2	123 02.5	....	....	TR				
2500 G5128	GREEN POINT LIGHT Fl. W., 4^{s}	On point, eastern end of Spieden Island.	48 38.0	123 06.3	 100	....	SB on white box		20		1958
	Harbor Rock Daybeacon	On rock in Massacre Bay, West Sound.	48 37.8	122 58.6	....	....	TR on white box on iron spindle.			Rock bares 6 feet at MLLW.	
	HARO STRAIT (Charts 6379, 6380)										
2501 2239 G5334	**Discovery Island Light** E. Int. W., 6^{s} Resident Personnel.	On east end of island, south entrance to Haro Strait. C.	48 25.5	123 13.5	....	15	White square dwelling, lantern on roof.	47	91	Light obscured from 054° to 161°. DIAPHONE: 1 blast ev 60^{s} (5^{s}bl). Horn mounted on south end of fog signal building.	
	(For Strait of Juan de Fuca, see No. 2239)										
2502 G5335	**Lime Kiln Light** Gp. Fl. W., 15^{s} 1.5^{s}fl., 2,5^{s}ec. 1.5^{s}fl., 2.5^{s}ec. 1.5^{s}fl., 5.5^{s}ec. 3 flashes.	On west side of San Juan Island.	48 31.0	123 09.1	12 3,000	12	White octagonal tower attached to fog signal building; 2 dwellings about 150 yards southeast.	38	55	HORN, diaphragm; 1 blast ev 30^{s} (3 ^{s}bl).	1914–1919
2503 G5336	ZERO ROCK LIGHT Fl. W., 4^{s}	.... C.	48 31.4	123 17.4	....	....	White cylindrical tower, black band on top, on white mast.		25		

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HARO STRAIT									
7	**Kelp Reefs Light** **Qk. Fl. W.**	On northeastern reef. C. 48 32.9	123 14.1	....	10	White skeleton tower on white conical base.		26	HORN: 2 blasts ev 20^s (1^{s}bl-1^{s}si-1^{s}bl-17^{s}si); operated continuously. Ra ref.	
10 1	D'ARCY ISLAND LIGHT **Fl. W., 12^s (1^{s}fl)**	On southwest side of island. C. 48 34.0	123 17.0	....	9	Pole		23		
8	KELLETT BLUFF LIGHT **Fl. W., 4^s**	On southerly end of Henry Island. 48 35.3	123 12.1	....	....	TR on white house		80	Higher intensity beam up Haro Strait. HORN, diaphragm; 1 blast ev 15^s (2^{s}bl).	1919–1953
11	PEARL ISLAND PIER LIGHTS **2 F. R.**	In 9 feet, at end of pier.		....	....	Dolphins		16	Private aid.	1968
5	PEARL ISLAND LIGHT **Fl. W., 4^s**	On shore, western end of island at entrance to Roche Harbor. 48 37.0	123 10.1	100	....	SB on white box		15		1958
.11 9	NORTH ROCHE HARBOR DOCK LIGHT. **F. R.**	In 10 feet, marks westerly end of dock.		....	....	Pile		10	Private aid.	1969
	Roche Harbor Buoy 1	In 33 feet, marks reef northwesterly of Barren Island, Spieden Channel.		....	....	Black can			Rock is marked by kelp, and has 2 fathoms over it. White reflector.	
	Center Reef Buoy 2	In 20 feet		....	....	Red nun			Red reflector.	
	Danger Shoal Lighted Bell Buoy **I. Qk. Fl. W.**	In 30 feet, southwestward of shoal.		100	....	Red and black horizontal bands		12	BELL: 1 stroke ev 15^s. Shoal has least depth of 1 fathom, and marked by kelp.	
.51 39	TOM POINT LIGHT **Fl. W., 12^s**	On islet east of point. C. 49 39.8	123 16.3	....	....	White mast		17		
40	**Turn Point Light** **E. Int. W., 6^s** Resident Personnel.	On northwest point of Stuart Island. 48 41.3	123 14.2	15 13,000	12	White concrete tower	16	44	Light obscured from 260½° to 357°. HORN, diaphragm; 2 blasts ev 30^s (2^{s}bl-2^{s}si-2^{s}bl-24^{s}si).	1893–1936 1893–1936
3 57.4	GOWLLAND POINT LIGHT **Fl. W., 12^s (1^{s}fl)**	On southeast side of island. C. 48 44.1	123 11.0	....	11	White mast black, white and green square daymark on square concrete base.		35		
4 40	SKIPJACK ISLAND LIGHT **Fl. W., 4^s**	On northwest side of island. 48 44.0	123 02.2	5 100	13	TR on white house		55	Obscured from 261° to 347°.	1948
	BOUNDARY PASS									
7 358	**Saturna Island Light** **Fl. W., 15^s** **F. R.** Resident Personnel.	On East Point .... C. 48 47.0	123 02.7	2,500,000	16	Red skeleton tower with white balcony.	58	121 102	White light visible from 149° to 060°; red light visible from 149° to 211½°. DIAPHONE: 2 blasts ev 60^s (2.5^{s}bl-3^{s}si-2.5^{s}bl-52^{s}si).	
27.31	*— Shoal Lighted Bell Buoy B* **I. Qk. Fl. W.**	In 36 feet 48 46.0	123 00.8	110	....	Red and black horizontal bands.			Ra ref.	
27.51	*Rosenfelt Rock Lighted Buoy* **Fl. G.**	East of rock .... C. 48 48.2	123 01.6	....	....	Black			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HARO STRAIT								
2528 G5142	Patos Island Light .... Fl. W., R. sector, 5^{s} Resident Personnel.	On northwest end of island. 48 47.3 122 58.2	15W 15,000 12R 3,000	12	White square tower on fog signal house.	38	52	Red from 013° to 060°. Covers 6 fathom shoal. RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl).	1893–1908
	STRAIT OF GEORGIA (Charts 6300, 6380;								
2528.11 G5110	PARKER REEF LIGHT .... Fl. W., 4^{s}	On west side of reef, north of Orcas Island.	....	....	Black and white checkered square daymark on white house.		15	White reflector.	1948
	Clements Reef Buoy 2............	In 60 feet, marks reef north of Sucia Island.	....	....	Red nun......................			Red reflector.	
	STRAIT OF GEORGIA								
2528.21 G5108	PUFFIN ISLAND SHOAL LIGHT... Fl. W., 4^{s}	On outer end of reef.	....	10	Black square daymark on white house on black cylindrical structure.		20	Green reflector.	1919–1934
2529	*Alden Bank Lighted Bell Buoy 2* .. Fl. W., 4^{s}	In 41 feet, marks southern edge of bank.	 125	....	Red				
	Alden Bank Buoy 1................	In 60 feet, marks eastern edge of bank.	....	....	Black can....................			White reflector.	
2530	SOCONY MOBIL NORTH AND SOUTH LIGHTS. 2 F. W.	Lights off ends on dock; fog signal on outer end of oil dock, west of Ferndale, Washington. 48 49.5 122 43.1	 13,000	....	White daymark on dolphin		16	HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl). Private aids.	1956–1965
2530.11	INTALCO NORTH AND SOUTH LIGHTS. 2 F. R.	Lights on North and South ends on dock; fog signal between lights. 48 50.6 122 43.2	....	....	....		24	HORN, diaphragm; 2 blasts ev 15^{s} (2^{s}bl-2^{s}si-2^{s}bl-9^{s}si). Private aid.	1966–1969
	SEMIAHMOO BAY (Chart 184 SC)								
	—Buoy 2	In 37 feet........... 48 59.4 122 47.4	....	....	Red nun......................			Red reflector.	
2531 G5148	—LIGHT .... Fl. W., 6^{s}(1^{s}fl)	In 6 feet, at entrance to Blaine. 48 59.6 122 47.0	12 3,500	10	NR on skeleton tower		27	Visible from 024° to 294°. HORN, 1 blast ev 30^{s} (3^{s}bl).	1905–1971
	—Buoy 1.......................	In 19 feet...........	....	....	Black can....................			White reflector.	
2531.11	BLAINE SMALL BOAT HARBOR LIGHT 2. Fl. W., 4^{s}	In 30 feet off end of south breakwater.	 100	....	TR on dolphin		22		1968
2531.21	INTERNATIONAL BOUNDARY RANGE C FRONT LIGHT. Qk. Fl. G.	In 12 feet, east side of Boundary Bay, and northerly of Semiahmoo Bay Light.	....	....	Skeleton tower on concrete base.		26		1941

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	STRAIT OF GEORGIA								
	SEMIAHMOO BAY								
31	INTERNATIONAL BOUNDARY RANGE C REAR LIGHT. **F. G.**	On shore 49 00. 1	122 45. 3	. . . .	. . . .	Skeleton tower 61	80	Visible on range line only. NOTE: Above International Boundary Ranges A, B, and C (front and rear) are maintained by International Boundary Commission, United States, and Canada, Washington, D. C.	1941–1962
	BOUNDARY BAY								
	Point Roberts Lighted Bell Buoy 4 . . **Fl. W., 4ˢ**	In 46 feet, southeasterly of Point Roberts.		 125	. . . .	Red			
2	POINT ROBERTS LIGHT . . . . **Gp. Fl. W., 12ˢ** 2ˢfl., 2ˢec. 2ˢfl., 6ˢec. 2 flashes.	On south end of point. 48 58. 3	123 04. 9	15 12,000	10	SW on skeleton tower 25	30		1910–1961
8	INTERNATIONAL BOUNDARY RANGE A FRONT LIGHT. **F. W.**	On shore, northerly of Point Roberts. 49 00. 1	123 05. 3	. . . .	. . . .	Skeleton tower	180	Visible on range line only.	1941
58. 1	INTERNATIONAL BOUNDARY RANGE A REAR LIGHT. **F. W.** **F. R.** **F. G.**	On shore 49 00. 1	123 03. 9	. . . .	. . . .	Red and white horizontally banded skeleton tower, with yellow daymark facing east.	258		1941–1951
6 60	INTERNATIONAL BOUNDARY RANGE B FRONT LIGHT. **Fl. G., 12ˢ**	In 7 feet, west side of Boundary Bay. 49 00. 1	123 01. 1	. . . .	. . . .	Skeleton tower on concrete base.	26		1941
60. 1	INTERNATIONAL BOUNDARY RANGE B REAR LIGHT. **F. G.**	On shore 49 00. 1	123 02. 0	. . . .	. . . .	Skeleton tower 60	65	Visible on range line only.	1941
	LAKE COEUR D' ALENE	Mileage given is the approx. distance from Water Stage Recorder Gauge at City of Coeur d' Alene.							
0	FORT SHERMAN LIGHT . . . . **I. Qk. Fl. W.**	In 22 feet, on southwest corner of log storage area, at City of Coeur d' Alene.		. . . .	. . . .	NR on dolphin	18	Higher intensity beam up and down Lake.	1955–1962
41	TUBBS POINT LIGHT 1 . . . . **Fl. G., 4ˢ**	On shore, at end of spit.		6 110	9	SW on platform on pole	20	Higher intensity beam toward Wolf Lodge Bay.	1955–1968
42	WOLF LODGE BAY LIGHT 3 . . . . . **Fl. G., 4ˢ**	On north shore, at entrance to Wolf Lodge Bay.		. . . .	. . . .	SB on white box	20		1955
43	NIGGERHEAD POINT LIGHT 5 . . . **Fl. W., 4ˢ**	On point, east side of lake at Mile 2. 5.		. . . .	. . . .	SW on white box	18		1955
44	DRIFTWOOD POINT LIGHT 7 . . . . . **Fl. G., 4ˢ**	On point, east side of lake at Mile 5. 5.		. . . .	. . . .	SB on white box	15		1955

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	IDAHO							THIRTEENTH DISTRICT	
	LAKE COEUR D'ALENE								
2546	McDONALD POINT LIGHT 8 **Fl. W., 4^s**	On point, west side of lake at Mile 8.0.		5 100	8	TR on white box	15	Higher intensity beam up and down Lake.	1955
2547	EAST POINT LIGHT 9 **Fl. W., 4^s**	On point, east side of lake at Mile 14.0.		5 100	10	SW on white box	30	Higher intensity beam up and down Lake.	1955
2548	SPOKANE POINT LIGHT 10 **Fl. R., 4^s**	In 4 feet, west side of lake at Mile 17.0.				TR on white platform on dolphin.	18	Higher intensity beam up and down Lake.	1955
2549	SHINGLE BAY LIGHT 11 **Fl. G., 4^s**	On south shore of bay at Mile 21.0.				SW on white box	20		1955
2550	ST. JOE RIVER ENTRANCE LIGHT 12. **Fl. W., 4^s**	In 16 feet, at entrance to St. Joe Gap.				TR on dolphin	18		1955
	LAKE PEND OREILLE (Chart 6170)								
2561	CONTEST POINT LIGHT 2 **Fl. W., 2.5^s**	In 4 feet 48 16.2	116 30.0	110		TR on pole	10	Higher intensity beam up lake.	1967–1971
2562	PACK RIVER LIGHT 3 **Fl. W., 4^s**	In 60 feet 48 16.7	116 19.4	100		SW on pole	18	Higher intensity beam up lake.	1967
2563	ANDERSON POINT LIGHT 4 **Fl. R., 4^s**	In 10 feet 48 15.0	116 22.4			TR on dolphin	15		1967
2564	HOPE POINT LIGHT 1 **Fl. G., 4^s**	On point 48 13.5	116 18.5			SW on pile	25	Higher intensity beam up lake.	1967
2565	PEARL ISLAND JUNCTION LIGHT A. **I. Qk. Fl. W.**	On island, marks projecting reef. 48 13.0	116 19.8			Black and red horizontal banded square daymark on skeleton tower. 26	30	Green reflector. Higher intensity beam up lake.	1967
2566	ELLIOT BAY LIGHT 6 **Fl. W., 4^s**	In 18 feet, off point 48 12.3	116 21.2	100		TR on dolphin	15		1967
2567	CLARK FORK RIVER LIGHT 7 **Fl. W., 4^s**	In 15 feet, at mouth of south fork. 48 09.1	116 15.0	100		SW on dolphin	15		1967
2567.11	GARFIELD BAY LIGHT 8 **Fl. W., 4^s**	On shore at entrance to bay. 48 10.6	116 25.6	100		TR on pole		Higher intensity beam towards Cape Horn and Clark Fork River.	1967
2568	GRANITE POINT LIGHT 9 **Fl. W., 4^s**	On point 48 06.0	116 25.9	100		SW on pole	36	Higher intensity beam down lake.	1967
2569	WHISKEY POINT LIGHT 11 **Fl. G., 4^s**	On point 49 03.5	116 27.4			SW on pole	9	Higher intensity beam up and down lake.	1967
2570	WHISKEY ROCK LIGHT 13 **Qk. Fl. W.**	In 5 feet, over submerged rocks. 48 03.0	116 27.4			SW on pile	12		1967
2571	CAPE HORN LIGHT 14 **Fl. W., 4^s**	On point		100		TR on pole	28	Higher intensity beam down lake.	1967

BRITISH COLUMBIA

STRAIT OF GEORGIA

(Charts 6300, 6380, 17226, 17261)

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
GANGES HARBOR LIGHT....... Fl. R., 4^s	Near eastern end of the Chain Island. C. 48 50. 2 123 27. 2	....	9	White mast on square concrete base.		22		
PORTLOCK POINT LIGHT........ Qk. Fl. W.	On point, Prevost Island Trincomali Channel. C. 48 49.7 123 21.0	....	13	White pyramidal tower.........		51	W. 167°–008°. Fog horn.	
CONCONI REEF LIGHT........... Qk. Fl. W.	.... C. 48 49.4 123 17.4	....	9	White triangular daymark on mast.		16		
PEILE POINT LIGHT............. Fl. W., 12^s(1^sfl)	On point, north end of Prevost Island. C. 48 51.0 123 24.2	....	9	White mast, concrete base......		21		
Ben Mohr Rock Lighted Buoy....... I. Qk. Fl. R.	Marks rock...... C. 48 51.6 123 23.4	....	....	Red black horizontal bands.....			Ra ref.	
PHILLIMORE POINT LIGHT .... Qk. Fl. R.	On point, Galiano Island. C. 48 52.1 123 23.5	....	....	White mast		14		
ENTERPRISE REEF LIGHT...... Qk. Fl. R.	On western rock of reef. C.	....	....	White circular tower, red band at top, concrete base		21	Ra ref.	
HELEN POINT LIGHT........... Qk. Fl. W.	On point, Mayne Island Active Pass. C.	....	9	White mast, concrete base.....		23		
GALIANO LIGHT .... Qk. Fl. G.	On rock off point. C. 48 51.5 123 20.9	....	9	White mast on concrete base...		21	Ra ref.	
MARY ANNE POINT LIGHT .... Qk. Fl. W.	On point, Galiano Island, Active Pass. C. 48 51.6 123 18.8	....	9	White mast		25	Higher intensity on bearing 213°. Ra ref.	
Active Pass Light .... Fl. W., 9^s Resident Personnel.	On Georgina Point, Mayne Island. C. 48 52.4 123 17.4	....	12	White circular tower	42	55	Visible from 055° to 253°. RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 60^s (5^sbl). Horn points 025°.	
Gossip Shoals Lighted Bell Buoy .. Fl. G.	In 72 feet, eastward of shoal, Active Pass. C.	....	....	Black........................			Ra ref.	
CROFTON LIGHT................. Fl. W., 4^s	On southeasternmost Shoal Island, Osborn Bay, Stuart Channel. 48 52.5 123 37.7	....	8	White mast		12		
NORTH REEF LIGHT............ Gp. Fl. W., 12^s 0.5^sfl., 2.0^sec. 0.5^sfl., 2.0^sec. 0.5^sfl., 6.8^sec. 3 flashes.	On reef, south of Tent Island, Stuart Channel. C.	....	....	White ball and mast on square pyramidal tower.		22		
BARE POINT LIGHT............. Fl. G., 4^s	On point, Chemainus Bay, Stuart Channel. C.	....	11	White skeleton tower....... ...		41		
ALARM ROCK LIGHT............ Gp. Fl. W., 6^s, 2 flashes	On southeast end of rock. C.	....	....	White mast on square concrete base.		12	Ra ref.	
PREEDY HARBOR LIGHT .... Qk. Fl. R.	Off west of Hudson Island. C. 48 57.9 123 41.0	....	....	White mast		17	Ra ref. Rock dries 9 feet.	
COFFIN ISLAND LIGHT......... Fl. W., 4^s	On islet, entrance to Ladysmith Harbor, Stuart Channel. C.	....	9	White mast		19	Ra ref.	

BRITISH COLUMBIA

STRAIT OF GEORGIA

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
2618 G5379	SOUTHEY POINT LIGHT **Qk. Fl. W.**	On north extremity of Salt Spring Island. C.	48 56.7	123 35.6	....	....	White mast on square concrete base.		14		
2618.51 G5378.6	GRAPPLER ROCK LIGHT **Fl. R., 4^s**	On rock .... C.	48 56.3	123 36.0	....	....	White triangular daymark on mast.		13		
2619	*Panther Point Lighted Buoy* **Fl. R.**	In 78 feet, southwesterly of point in Houstoun Passage. C.			....	....	Red				
2620 G5380	WALKER ROCK LIGHT **Fl. W., 4^s** **F. W., R., G., sectors.**	On rock, Trincomali Channel. C.			....	9	Tower		17	Ra ref.	
2621	*Governor Rock Lighted Buoy* **Fl. G.**	In 60 feet .... C.	48 54.8	123 29.8	....	....	Black			Ra ref.	
2622 G5394	PORLIER PASS RANGE FRONT LIGHT. **F. Y., R. sector.** Resident Personnel.	On Race Point, Galiano Island. C.	49 00.5	123 35.1	....	9	White square tower	24	21	Visible 162½° to 264½°. Red sector, 042½° to 063° over Boscowitz Rock.	
2623 G5394.1	PORLIER PASS RANGE REAR LIGHT. **F. Y.**	On Virago Point, 465 yards 196½° from front light. C.			....	11	White square tower	27	32	HORN, 1 blast ev 30^s (3^sbl).	
2624	*Porlier Pass Lighted Bell Buoy* **Fl. G.**	In 102 feet, off entrance to pass. C.			....	....	Black			Ra ref.	
2625 G5388	DANGER REEF LIGHT **Qk. Fl. W.**	On north end of easternmost rock of reefs. C.	49 03.3	123 42.8	....	8	White drum on mast on square concrete base.		18	When passing southward, light should be given a wide berth.	
2626 G5390	JOAN POINT LIGHT **Qk. Fl. W.**	On point Dodd Narrows. C.	49 08.1	123 49.1	....	10	White mast, concrete base.		27		
2627 G5492	GALLOWS POINT LIGHT **Alt. R. & W., 7.6^s** (3.8^sR., 3.8^sW) Resident Personnel.	On point, southern end of Protection Island. C.	49 10.2	123 55.0	....	10	White square tower		26	Visible from 212½° to 113°, reduced intensity from 086° to 1 HORN: 1 blast ev 15^s (2^sbl).	
2628	*Canoe Pass Lighted Bell Buoy* **Fl. R.**	In 120 feet, entrance to pass. C.	49 02.3	123 15.0	....	....	Red			Ra ref.	
2629	*Roberts Bank Lighted Whistle Buoy* **Fl. R.**	In 126 feet, off west shoulder of bank. C.			....	....	Red			Ra ref.	
2630 G5400	**SAND HEADS LIGHT** **F. W., Alt. Fl. R., 5^s** (F. W. alternated with high intensity R. fl ev 5^s). Resident Personnel.	Near outer end of Steveston Jetty. C.	49 06.4	123 18.1	....	13	Orange square tower on rectangular white building on pier.		53	RADIOBEACON: See p. XVIII for method of operation. HORN: 1 blast ev 30^s(3^sbl).	
2631	*Sand Heads Lighted Bell Buoy* **Fl. G.**	In 96 feet, off Stevetson Jetty. C.	49 06.4	123 18.5	....	....	Black			Ra ref.	
2632 G5414	WESTERLY JETTY LIGHT **Gp. Fl. W., 12^s** 0.5^sfl., 1^sec. 0.5^sfl., 1^sec. 0.5^sfl., 8.5^sec. 3 flashes.	Northwestern extremity of jetty, southerly of Point Grey. C.	49 15.5	123 16.7	....	9	Platform on dolphin		14		
2633	*Point Grey Lighted Bell Buoy* **Fl. R.**	South side of entrance to Burrard Inlet. C.	49 17.4	123 15.9	....	....	Red			Ra ref.	

BRITISH COLUMBIA

STRAIT OF GEORGIA

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
Point Atkinson Light............. Gp. Fl. W., 5^s 0.25^sfl., 0.75^sec. 0.25^sfl., 3.75^sec. 2 flashes. Resident Personnel.	North point of entrance to Burrard Inlet. C.	49 19.9	123 15.8	....	16	White bexagonal tower..........	60	108	RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 30^s (2^sbl).	
COWAN POINT LIGHT............ Qk. Fl. W.	On southeast end of Bowen Island. C.	49 20.1	123 21.5	....	....	White mast on concrete base.....		60		
CAPE ROGER CURTIS LIGHT..... Gp. Fl. W., 12^s 3 flashes.	On west side of cape. C.	49 20.4	123 25.9	....	10	White mast on square concrete base.		27		
POPHAM ISLAND LIGHT.......... Fl. R. 4^s	On northwestern extremity of island. C.	49 21.8	123 29.4	....	....	White mast on square concrete base.		38		
GABRIOLA REEFS LIGHT....... Gp. Fl. W., 12^s 3 flashes.	On Thrasher Rock, northeast end of reefs. C.	49 09.0	123 38.4	....	11	Square skeleton tower on square pyramidal concrete beacon.		34		
TUGBOAT ISLAND LIGHT......... Fl. W., 4^s	On drying rock southeasterly of Tugboat Island. C.	49 08.9	123 41.0	....	....	White square daymark on mast...		18		
Entrance Island Light .... Fl. W., 5^s Resident Personnel.	On island north approach to Nanaimo Harbor. C.	49 12.8	123 48.8	 50,000	13	White square wooden dwelling red lantern on roof.	44	58	DIAPHONE: 2 blasts ev 60^s (5^sbl-5^ssi-5^sbl-45^ssi).	
Snake Island Reef Lighted Bell Buoy. Fl. R.	In 114 feet, southeast of island. C.			....	....	Red........................			Ra ref.	
SNAKE ISLAND LIGHT .... Fl. W., 4^s	North end of island. C.	49 13.1	123 53.4	....	....	White cylindrical tower; black band at top.		33	Obscured from 350° to 011°.	
HUDSON ROCKS LIGHT.......... Fl. W., 4^s	On summit of southwest islet (West Rock). C.	49 13.4	123 55.6	....	10	White cone on mast on square concrete base.		25		
SEECHELT LIGHT .... Fl. W., 4^s	On White Islet, southerly of Mission Point. C.	49 25.1	123 42.6	....	10	White cylindrical tower		35		
MERRY ISLAND LIGHT. .... Fl. W., 15^s Resident Personnel.	On southeast end of island, southeast entrance to Welcome Pass. C.	49 28.1	123 54.7	....	13	White rectangular building		60	DIAPHONE: 2blasts ev 60^s (3^sbl-3^ssi-3^sbl-3^ssi-3^sbl-45^ssi). Horn points southerly.	
MAUDE ISLAND LIGHT .... Fl.W., 12^s(1^sfl)	On northeast end of island entrance to Nanoose Harbor. C.	49 16.2	124 04.6	....	10	White cylindrical tower, red band on top, concrete base.		32		
Ballenas Islands Light............. Gp. Fl. W., 18^s fl., 3^s interval fl., 3^s interval fl., 12^s interval 3 flashes. Resident Personnel.	On north point of North Ballenas Island, Ballenas Channel. C.	49 21.1	124 09.5	 40,000	14	White octagonal tower..........	37	70	Visible from 040° to 307°. HORN, 1 blast ev 60^s.(4^sbl)	
FRENCH CREEK LIGHT........ Fl. R., 4^s	Near outer end of west breakwater. C.	49 21.1	124 21.3	....	....	White circular tower; red band at top.		22		

BRITISH COLUMBIA

STRAIT OF GEORGIA

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
2648 G5528	**FALSE BAY LIGHT** **Fl. W., 4^{s}**	On Prowse Point, entrance to bay, Stevens Passage. C.			....	9	White cone daymark on mast		16	Visible from 049° to 230°.	
2649 G5529	**Sisters Light** **Gp. Fl. W., 15^{s}** 0.4^{s}fl., 3.0^{s}ec. 0.4^{s}fl., 11.2^{s}ec. 2 flashes. Resident Personnel.	On easterly and largest rock, Stevens Passage. C.	49 29.2	124 26.0	....		White circular tower		70	DIAPHONE: 3 blasts ev 60^{s}(2^{s}bl-3^{s}si-2^{s}bl-3^{s}si-2^{s}bl-48^{s}si).	
2650 G5527	**FEGAN ISLETS LIGHT** **Fl. W., 4^{s}**	On west extremity of Bare Island (Fegan Islets), Sabine Channel. C.			....	9	White mast on square concrete base.		21	RADIOBEACON: See p. XVIII for method of operation.	
2651 G5530	**FLORA ISLET LIGHT** **Fl. W., 12^{s}(1^{s}fl)**	Off St. John Point, east of Hornby Island. C.			....	13	White skeleton tower	53	68		
2652 G5532	**CHROME ISLAND RANGE FRONT LIGHT.** **F. W.**	On Yellow Island, south of Denman Island, Baynes Sound. C.			....	12	Red rectangular daymark	20	46	Visible from westward and on range line.	
2653 G5532.1	**CHROME ISLAND RANGE REAR LIGHT.** **Fl. W., 6^{s}** Resident Personnel.	On east end of island 102 yards 098° from front light. C.			....	17	White watch room on skeleton tower.	45	84	Visible around horizon. HORN: 2 blasts ev 60^{s}.	
2654 G5536	**DEEP BAY LIGHT** **Fl. W., 4^{s}**	On southwest end of Mapleguard Point, Baynes Sound. C.			....	9	White square mast on mud sills		16		
2655	*Repulse Point Lighted Buoy* **Fl. R.**	In 72 feet, northerly of Maple Point, Baynes Sound. C.			....	....	Red			Ra ref.	
2656 G5538	**DENMAN ISLAND LIGHT** **Fl. W., R. sector., 4^{s}**	On reef, west side of island, Baynes Sound. C.			....	7	White triangular daymark on pole, lantern on top.		16	W. 315°-145°, R.-145°to shore.	
2657 G5542	**COMOX BAR RANGE FRONT LIGHT.** **F. Amber**	On west shore Baynes Sound. C.	49 37.4	124 54.4	....	10	White square tower		37	Visible on range line only.	
2658 G5542.1	**COMOX BAR RANGE REAR LIGHT.** **F. Amber**	335 yards 222° from front light. C.			....	13	White watch room on white skeleton tower and red square daymark.		76	Visible on range line only.	
2659 G5544	**GOOSE SPIT LIGHT** **Qk. Fl. R.**	On west end of spit, Comox Harbor. C.			....	7	Lantern on white mast on mud sill; white triangular slatwork daymark.		15		
2660	*Comox Bar Lighted Bell Buoy* **Fl. R.**	In 48 feet, close to east edge of Kelp Bar (Comox Bar). C.			....	....	Red			Ra ref.	
2661 G5548	**CAPE LAZO LIGHT** **E. Int. 2^{s}**	On north end of cape. C.	49 42.4	124 51.7	....	18	Red skeleton tower		150		
2661.50 G5526.4	**TEXADE ISLAND LIGHT** **Fl. R., 12^{s}(1^{s}fl)**	North side of Sohine Channel. C.	49 31.7	124 13.5	....	9	White mast on square concrete base.		22		
2662 G5526	**POINT UPWOOD LIGHT** **Gp. Fl. W., 12^{s} (1^{s}fl)** 3 flashes.	On point, southeast end of Texada Island, Malaspina Strait. C.	49 29.4	124 08.4	....	10	White mast red and white triangular daymark on square concrete base.		25	Visible from 283½° to 124°.	
2663 G5513	**EPSOM POINT LIGHT** **Fl. W., 4^{s}**	On point C.	49 30.3	124 00.9	....	....	White mast red and white triangular square base.		18		
2664 G5512	**WILBRAHAM POINT LIGHT** **Fl. R., 4^{s}**	On southwest end of Grant Island, off Wilbraham Point. C.			....	10	White mast red and white triangular daymark on concrete base.		24	Visible from 305° to 155°.	
2665 G5514	**FRANCIS POINT LIGHT** **Fl. W., (1^{s}fl)**	On point C.	49 36.2	124 03.5	....	....	White mast on concrete base.		25		

BRITISH COLUMBIA

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
STRAIT OF GEORGIA										
PENDER HARBOR LIGHT **Qk. Fl. R.**	On reef on north end of Williams Island. C.			....	8	Cone daymark on mast		15		
NELSON ROCK LIGHT **Fl. W., 4^s**	On rock westerly of Fearney Point. Nelson Island, Malaspina Strait. C.			....	....	White cylindrical tower, red band at top, concrete base.		17	Rock dries 6 feet.	
CAPE COCKBURN LIGHT **Gp. Fl. W., 12^s** 3 flashes.	On west end of cape, Malaspina Strait. C.			....	12	White mast on concrete base		45		
NORTHEAST POINT LIGHT **Fl. W., 4^s**	On point, Texada Island, Malaspina Strait. C.			....	10	White pole on concrete base		25	Visible from 123° to 322°.	
GRIEF POINT LIGHT **Fl. W., 6^s**	On west end of point, Malaspina Strait. C.			....	11	White triangular daymark		35		
CYRIL ROCK LIGHT **Qk. Fl. G.**	On rock, off Grilse Point, Texada Island, Malaspina Strait. C.			....	9	Black, white and green square daymark on mast.		20		
REBECCA ROCK LIGHT **Gp. Fl. W., 12^s** 0.5^sfl., 2.0^sec. 0.5^sfl., 2.0^sec. 0.5^sfl., 6.5^sec. 3 flashes.	On rock, in Algerine Passage. C.	49 48.8	124 39.5	....	10	White circular tower		21	Ra ref.	
WESTVIEW FISHING HARBOR SOUTH LIGHT. **Fl. R., 4^s**	At outer end of southerly breakwater. C.	49 49.9	124 31.7	....	....	Red and white triangular daymark on mast.		8		
KUHUSHAN POINT LIGHT **Gp. Fl. W., 6^s** 0.5^sfl., 1^sec. 0.5^sfl., 4^sec. 2 flashes.	On point. C.	49 53.3	125 07.3	....	13	White skeleton tower		58		
MAJOR ISLET LIGHT **Gp. Fl. W., 12^s** 0.5^sfl., 2.0^sec 0.5^sfl., 2.0^sec. 0.5^sfl., 6.5^sec. 3 flashes.	On south end .... C.	49 59.3	124 48.9	....	....	White skeleton tower		97		
LUND LIGHT **Fl. W., 4^s**	On east end of South Ragged Island (South Copeland Island). C.			....	9	White mast		18	Visible from 148° to 042°.	
Sutil Point Lighted Bell Buoy **Fl. R.**	In 66 feet, on southwestern edge of Reef Point, Baker Passage. C.			....	....	Red			Ra ref.	
SPILSBURY POINT LIGHT **Fl. W., 12^s (1^sfl)**	On north end of Hernando Island. C.	50 00.2	124 56.6	....	....	White mast on concrete base		12		
Wilby Shoal Lighted Buoy **Fl. R.**	In 60 feet, marking shoal south of Cape Mudge, entrance to Discovery Passage. C.			....	....	Red			Ra ref.	
DISCOVERY PASSAGE (Chart NO 17226)										
Cape Mudge Light **Fl. W., 5^s** Resident Personnel.	West extremity of cape, entrance to Strait of of Georgia. C.	49 59.9	125 11.6	....	13	White octagonal tower	54	58	Visible from 307° to 150°. DIAPHONE: (2): 1 blast ev 30^s(1.5^sbl). Horns point 312° and 148° from a white square house located 135 yards southeast of lighthouse.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA									
	DISCOVERY PASSAGE									
2681 G5582	CAMPBELL RIVER BREAKWATER LIGHT. **Fl. G., 4^{s}(1^{s}fl)**	On outer end of rock breakwater. C.	50 01.3	125 14.1	....	10	Mast on concrete base	16		
2681.50 G5582.6	QUATHIASKI COVE LIGHT **Fl. G., 4^{s}**	135 yards southeast of Grouse Island. C.	50 02.7	125 13.2	....	....	Mast on concrete base	19		
2682 G5583.5	STEEP ISLAND LIGHT **Qk. Fl. W.**	On north end of island. C.	50 04.7	125 15.1	....	8	White triangular daymark	14		
2683 G5584	RACE POINT LIGHT **Qk. Fl. G.**	On point, Seymour Narrows C.			....	14	White mast	77		
2684 G5586	MAUD ISLAND LIGHT **Qk. Fl. R.**	On rock ledge, west side of island, Seymour Narrows. C.			....	8	White mast on square concrete base.	16	Intensified on bearing 168°.	
2685 G5588	McMULLEN POINT LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On point C.	50 14.8	125 23.8	....	8	White mast on concrete base	17		
2686 G5590	CHATHAM POINT LIGHT **Fl. G., 5^{s}** Resident Personnel.	On Beaver Rock, off point, at entrance to Johnstone Strait. C.	50 20.0	125 26.7	....	10	White circular tower, black band at top.	24	On rock which dries 5 fe HORN: 1 blast ev 20^{s}(2^{s}bl). Horn point in a 113°–293° directi from a small white hou located ¼ mile west of lighthouse. Ra ref.	
	JOHNSTONE STRAIT (NO Charts 17226,17221)									
2687 G5594	ROCK POINT LIGHT **Qk. Fl. G.**	On point C.			....	8	White mast on concrete base	21		
2687.50 G5595	WALKEM ISLANDS LIGHT **Fl. R., 4^{s}**	On 5 foot drying rock. C.	50 21.5	125 31.5	....	....	White circular tower, red band at top.	17		
2688 G5596	RIPPLE POINT LIGHT **Fl. W., 6^{s}**	On point C.			....	8	White mast on concrete base	17		
2689 G5598	VANSITTART POINT LIGHT **Fl. R., 6^{s}**	On point, south side of Thurlow Islands. C.			....	10	White mast on concrete base	28		
2690 G5598.4	TYEE POINT LIGHT **Qk. Fl. R.**	On point	50 23.2	125 46.9	....	....	White circular tower, red band at top.	25		
2691 G5600	CAMP POINT LIGHT **Qk. Fl. G.**	On point C.	50 23.1	125 49.5	....	9	White pyramidal structure	19		
2691.50 G5600.4	HARDWICKE ISLAND DIRECTIONAL LIGHT. **F. W. R., G., sectors**	On south side of island, current passage. C.	50 24.6	125 48.5	....	....	Orange square daymark, white center vertical stripe on white mast.	15	Red from 326° to 330°; white to 336°; green to 340°.	
2692 G5601	HELMCKEN ISLAND DIRECTIONAL LIGHT. **F. W. R., G., sectors**	On islet off northeast end of island. C.	50 24.0	125 51.3	....	....	Orange triangular daymark on white mast on concrete base.	14	Shows fixed red 284° to 293°, fixed white to 296°30′, fixed green to 302°. White secto indicates preferred channel.	
2692.20 G5603	HELMCKEN ISLAND SOUTH LIGHT. **Qk. Fl. W.** **2 R. sectors.**	On south end of island, Race Passage. C.	50 23.6	125 52.2	....	10	White mast	29	Red from 274° to 280°3 white to 114°, red to 122°.	
2692.40 G5603.4	HELMCKEN ISLAND NORTH LIGHT. **Qk. Fl. G.**	On north side of island. C.	50 24.4	125 52.5	....	....	White circular tower; black band at top.	20		
2692.50 G5604	PETERSON ISLET LIGHT **Fl. G., 4^{s}**	On north end .... C.	50 23.4	125 54.7	....	....	White mast on concrete base	18		
2693 G5608	TUNA POINT LIGHT **Fl. R., 4^{s}**	On west end of point, entrance to Blinkinsop Bay. C.			....	9	Pole	20		

BRITISH COLUMBIA

JOHNSTONE STRAIT

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
HICKEY POINT LIGHT Fl. W., 6^{s}	On point (also known as Mountain Point and Ormiston Point). C.	50 27.0	126 05.1	....	11	Pole		29		
BROKEN ISLAND LIGHT Fl. W., 6^{s}	On southwest point of island. C.			....	12	White skeleton tower		35		
CRACROFT ISLAND LIGHT Qk. Fl., R.	On south side of Cracroft Island, west of Boat Harbor. C.	50 31.2	126 34.6	....	10	Mast on concrete base		32	Obscured by high land Northward of 102°. Intensified on bearings 278° and 098°.	
BLINKHORN PENINSULA LIGHT Gp. Fl. W., 12^{s} 0.5^{s} fl., 2.0 ^{s}ec. 0.5 ^{s}fl., 2.0 ^{s}ec. 0.5 ^{s}fl., 6.5^{s}ec. 3 flashes.	On peninsula...... C.			....	12	White skeleton tower		48		

BROUGHTON STRAIT

(NO Chart 17221)

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
LEWIS POINT LIGHT Fl. G., 4^{s}	On point, west side of entrance to Beaver Cove. C.	50 33.1	126 51.1	....	10	White circular daymark on pole		25	Visible from 118° to 004°.	
NIMPKISH BANK LIGHT Qk. Fl. W.	On shoal .... C.	50 34.8	126 56.8	....	....	Dolphin		18	Ra ref.	
Haddington Reefs Lighted Buoy Qk. Fl. R.	In 90 feet, south end of reefs, north of Haddington Island. C.			....	....	Red			Ra ref.	
HADDINGTON ISLAND LIGHT Qk. Fl. G.	On drying rock, north side. C.	50 36.3	127 01.2	....	....	White circular tower, black band at top.		20		
Neill Ledge Lighted Buoy I. Qk. Fl. R.	In 36 feet, off southeastern end of ledge. C.	50 36.0	127 02.4	....	....	Black and red horizontal bands			Ra ref.	
PULTENEY POINT LIGHT F. W. Fl. R., 10^{s} F. R. Resident Personnel.	On end of point, Malcomb Island. C.	50 37.8	127 09.2	....	11	White square tower on fog signal building.		40 36	Visible from 278° to 145°. High intensity R. fl. (0.34^{s}) ev 10^{s} superimposed on F. W. Visible from 131° to 143°. HORNS (2); 2 blast ev 60^{s}. Oriented on 118° and 295°.	

QUEEN CHARLOTTE STRAIT

(NO Charts 17221, 17008, 17204)

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
WEDGE ISLAND LIGHT Qk. Fl. W.	On island, entrance to Knight Inlet. C.	50 38.1	126 43.3	....	11	White pole on concrete base		28		
DUFF ISLET LIGHT Gp. Fl. W., 12^{s} 0.5^{s} fl., 2.0^{s}ec. 0.5^{s} fl., 2.0^{s}ec. 0.5^{s} fl., 6.5^{s}ec. 3 flashes.	On islet, entrance to Fife Sound. C.			....	10	White pole on concrete base		25		
JAMES POINT LIGHT Fl. W., 6^{s}	On point, entrance to Wells Pass. C.			....	10	White pole on concrete base		30		

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above sater	(7) Remarks	Year
	BRITISH COLUMBIA							
	QUEEN CHARLOTTE STRAIT							
2705 *G5631*	ROUND ISLAND LIGHT **Fl. W., 6^{s}**	On north side of island, southeasterly of Dillon Point. C. 50 43.6 127 21.8	....	10	White mast on concrete base	32		
2706 *G5632*	MASTERMAN ISLANDS LIGHT **Gp. Fl. W., 12^{s}** 0 5^{s}fl., 2^{s}ec. 0. 5^{s}fl., 2^{s}ec. 0. 5^{s}fl., 6. 5^{s}ec. 3 flashes.	On northeast end of the northeasterly island of group. C.	....	10	White mast	32	Visible from 107½° to 307½	
2707 *G5634*	HARDY BAY LIGHT **Fl. R., 4^{s}**	On rock, north of Government Wharf. C.	....	8	White mast on concrete base	15		
2708 *G5633*	DOYLE ISLAND LIGHT **Fl. W., 5^{s}**	On southeast end of island. C. 50 48.3 127 27.5	....	11	White circular tower, black band at top.	42		
2709 *G5648*	JEANETTE ISLAND LIGHT **Qk. Fl. R.**	On island, westerly of Stuart Point. C.	....	10	White pole on concrete base	29		
2710 *G5654*	HARRIS ISLAND LIGHT **Fl. W., 6^{s}**	On island C. 51 00. 0 127 33.9	....	11	White pole on concrete base	41		
2711 *G5655*	McEWAN ROCK LIGHT **Fl. W., 12^{s}**	On rock C. 51 03. 5 127 37.9	....	13	White mast	62		
2712 *G5636*	NOBLE ISLETS LIGHT **Qk. Fl. R.**	On west point of the westerly Noble Islets, Goletas Channel. C. 50 49. 3 127 35. 5	....	10	White mast on concrete base.	32	Visible from 301½° to 171½	
2713 *G5647*	CRANE ISLANDS LIGHT **Fl. W., 4^{s}**	On summit of westerly islet. C. 50 50. 5 127 31. 3	....	12	White mast	45		
2714 *G5646*	SCARLETT POINT LIGHT **Fl. W., 5^{s}** Resident Personnel.	On point, Gordon Channel. Christie Passage. C. 50 51.6 127 36.7	....	14	Red skeleton tower	80	HORN: 1 blast ev 20^{s} (3^{s}bl). Horn points 026 from a white square building close eastward of lighthouse.	
2715 *G5650*	CHOLBERG POINT LIGHT **Qk. Fl. W.**	On northern point of Nigei Island, westerly of Greeting Point. C.	....	10	Mast on concrete base	30		
2716 *G5640*	DILLON ROCK LIGHT **Qk. Fl. G.**	On rock, entrance to Shushartie Bay, Goletas Channel. C.	....	....	White circular tower, black band at top; concrete base.	21	Ra ref.	
2717 *G5641*	GODKIN POINT LIGHT **Fl. R., 4^{s}**	On point, east side of entrance to Bull Harbor, Goletas Channel. C.	....	11	Mast on concrete base	36		
2718 *G5642*	NAHWITTI POINT LIGHT **Fl. W., 6^{s}**	On southwest side of Hope Island, southeasterly of Mexicana Point. C.	....	12	White pole on concrete base	40		
2719	*Nahwitti Bar Lighted Whistle Buoy* **Mo. (A) W.**	In 78 feet, southwest of Mexicana Point. C. 50 54. 1 128 02.6	....	....	Black and white vertical stripes.		Ra ref.	
2720 *G5652*	**Pine Island Light** **Gp. Fl. W., 10^{s}** 2 flashes. Resident Personnel.	On southwest point of island, Queen Charlotte Strait. C. 50 58. 5 127 43. 6	....	15	White daymark on red skeleton tower.	93	Visible from 314° to 154°. RADIOBEACON: See p. XVIII for method of operation. HORN: 2 blasts ev 60^{s} (2. 5^{s}bl-4^{s}si-2. 5^{s}bl-51^{s}si).	

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
BRITISH COLUMBIA								
QUEEN CHARLOTTE STRAIT								
CAPE CAUTION LIGHT **Fl. W., 12^s**	On cape C. 51 09.8	 127 47.1	....	14	White tower 25	 71		
(For Smith Sound and other Inner Passages, see No. 2753)								
QUEEN CHARLOTTE SOUND (NO Chart 17008)								
ODLUM ISLAND LIGHT **Fl. W., 10^s**	On northern end of point. C. 51 41.6	 128 07.1	....	13	Mast on concrete base	60		
CURRIE ISLET LIGHT **Fl. W., $12^s(1^s fl)$**	On islet C. 51 51.1	 128 27.3	....	13	Mast on concrete base	56	Also known as Gosling Rocks.	
HECATE STRAIT (NO Chart 17014)								
WEST SIDE								
(For Hecate Strait, East Side, see No. 2737)								
CAPE ST. JAMES LIGHT **Fl. W., 6^s** Resident Personnel.	On cape, St. James Island, Queen Charlotte Islands. C. 51 56.2	 131 00.9	20 100,000	24	White octagonal tower, white dwelling.	315	Visible from 207° to 122°. RADIOBEACON: See p. XVIII for method of operation.	
(For Seacoast, see No. 146)								
GARCIN ROCKS LIGHT **Fl. W., 6^s**	On summit of middle rock (Danger Rock). C. 52 12.5	 130 57.9	....	13	White skeleton tower	51		
COPPER ISLANDS LIGHT **Gp. Fl. W., 12^s** 0.5^sfl., 1^sec. 0.5^sfl., 10^sec. 2 flashes.	On eastern end of easterbmost island, Skincuttle. C.		....	13	White skeleton tower	50	Visible from 163° to039°.	
SCUDDER POINT LIGHT **Fl. W., 6^s**	On Barnaby Island C. 52 26.8	 131 14.2	....	....	Square mast on concrete base	22		
LOW ISLAND LIGHT **Fl. W. 6^s**	On northwest end of northernmost Low Island (islet). C.		....	13	White ball daymark on white mast.	56	Visible from 339° to 311°.	
WEST SIDE								
KINGUI ISLAND LIGHT **Fl. W., 6^s**	On southwest end of island, south of Cumshewa Head. C.		....	10	White ball daymark on mast	30	Visible from 286° to 155°.	
GILLATT ISLAND LIGHT **Gp. Fl, W., 10^s** 0.5^sfl., 1^sec. 0.5^sfl., 8^sec. 2 flashes.	On western end of island. C. 53 14.7	 131 53.9	....	8	Pole	25		
Dead Tree Point Lighted Whistle Buoy. **Fl. G., 4^s**	In 90 feet. 1½ miles southeasterly of point, Skidegate Inlet. C.		....	....	Black		Ra ref.	
Laun Point Lighted Bell Buoy **Fl. R.**	In 84 feet 53 23.9	 131 53.8 C.	....	....	Red		Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA						
	HECATE STRAIT						
	WEST SIDE						
2732	*Lawn Point Lighted Whistle Buoy*... **Qk. Fl. R.**	In 150 feet, 1 mile southeasterly of point. C.	....	....	Red..........................	Ra ref.	
2733 G5837.4	LAWN POINT RANGE FRONT LIGHT. **F. W.**	On point....... C. 53 25.5 131 54.9	....	11	Orange daymark on mast 38		
2734 G5837.5	LAWN POINT RANGE REAR LIGHT. **F. W.**	465 feet 270° from front light. C.	....	14	Orange daymark on mast 73		
2735	**Lawn Tree Point Radiobeacon**......	.... C. 53 25.4 131 54.8	....	....	 146	RADIOBEACON: See p. XVIII for method of operation.	
2736	*Rose Spit Lighted Whistle Buoy*..... **Fl. G.**	In 120 feet, northeast of Rose Spit, Overfall Shoal. C.	....	....	Black........................	Ra ref.	
	(For Dixon Entrance, see No. 2900)						
	(For Seacoast, see No. 153)						
	(For Hecate Strait, West Side, see No. 2724).						
	(For Milbanke Sound and other Inner Passages, see No. 2778)						
	EAST SIDE						
2737 G5715	**McInnes Island Light**............ **Fl. W., 5ˢ** Resident Personnel.	On bluff on south side of island, entrance to Milbanke Sound. C. 52 15.7 128 43.3	....	16	White tower on white rectangular building. 105	Visible 292½° to 115° RADIOBEACON: See p. XVIII for method of ope ation. DIAPHONE: 3 blasts ev 60ˢ(2ˢbl-3ˢsi- 2ˢbl. 3ˢsi-2ˢbl-48ˢsi).	
2738	*Luard Shoal Lighted Whistle Buoy*... **Fl. G.**	In 36 feet....... C. 52 24.2 128 53.5	....	....	Black........................	Ra ref.	
2739 G5747	OTTER PASSAGE LIGHT .... **Fl. W., 6ˢ**	On south end of island. C. 53 07.7 129 46.3	....	....	Mast 36		
2740 G5747.2	BLOCK ISLANDS LIGHT.......... **Fl. W. 6ˢ**	On small island. C. 53 09.0 129 43.9	....	....	Mast 20		
	(For Laredo Sound and other Inner Passages, see No. 2795)						
2741 G5748	BONILLA ISLAND LIGHT.......... **Fl. W., R., sectors, 10ˢ** Resident Personnel.	On west point of Banks Island. C. 53 29.6 130 38.1	....	17	Tower........................ 125	White from 360° to 168°, r to 198°; obscured to 33 red to 360°. RADIOBEACON: See p. XVIII for method of operation. DIAPHONE: 1 blast ev 30ˢ(3ˢbl).	
2742 G5748.5	NORTHWEST ROCKS LIGHT....... **Gp. Fl. W., 12ˢ** 0.5ˢfl., 0.5ˢec. 0.5ˢfl., 10.5ˢec. 2 flashes.	On largest rock of group. C. 53 32.9 130 38.0	....	13	Mast........................ 53		
2743 G5749.5	WHITE ROCKS LIGHT............. **Fl. R., 10ˢ**	On northwest end of Banks Island. C.	....	9	White mast................... 17		

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
BRITISH COLUMBIA										
HECATE STRAIT EAST SIDE										
BROWNING ENTRANCE LIGHT **Fl. W., 6^{s}**	On northerly island of White Rocks. C.	53 38.1	130 33.8	....	....	Tower		36		
HANKIN ROCK LIGHT **Fl. W., 10^{s}**	On rock, Browning Entrance, Beaver Passage. C.	53 42.5	130 24.6	....	10	Pole		27		
MOORE ISLAND LIGHT **Fl. W., 10^{s}**	On northwest point of island. C.	53 47.6	130 31.2	....	....	Mast on concrete base.		16		
FREEMAN PASSAGE LIGHT **Gp. Fl. W., 5^{s}** 0.5^{s}fl., 0.5^{s}ec. 0.5^{s}fl., 3.5^{s}ec. 2 flashes.	On island C.	53 49.8	130 37.7	....	....	Mast		20		
SEAL ROCKS LIGHT **Fl. W., 10^{s}**	On highest rock of Seal Rocks group. C.			....	11	Pole		43		
BUTTERWORTH ROCK LIGHT **Fl. W., 6^{s}**	On rock C.	54 14.0	130 58.5	....	....	Black tripod structure		26		
ARCHIBALD ISLANDS LIGHT **Fl. W., 12^{s}**	On northernmost rocky islet. C.	54 12.8	130 50.1	....	8	Mast with red lantern and white platform on concrete base.		32		
HARRIS ROCK LIGHT **Fl. W., 6^{s}**	On rock. C.	54 12.9	130 45.9	....	....	Mast		14		
Triple Island Light **Gp. Fl. W., 8^{s}** 0.3^{s}fl., 1.2^{s}ec. 0.3^{s}fl., 6.2^{s}ec. 2 flashes. Resident Personnel.	On northwesterly rock of the Triple Islets group. C.	54 17.6	130 52.7	....	16	White tower on corner of square building.	76	97	RADIOBEACON: See p. XVIII for method of operation DIAPHONE: 1 blast ev 60^{s}(4^{s}bl).	
Hanmer Rocks Lighted Whistle Buoy **Fl. G.**	South of rocks C.	54 18.9	130 48.8	....	....	Black			Ra ref.	
(For Dixon Entrance, see No. 2903)										
(For Chatham Sound, see No. 2835)										
SMITH SOUND (NO Charts 17201 ,17008)										
Egg Island Light **Fl. W., 8^{s}** Resident Personnel.	On summit of small islet, on west side of island, northwesterly of Cape Caution C.	51 14.9	127 49.9	....	23	Rectangular white dwelling surmounted by square tower.	52	290	DIAPHONE: 1 blast ev 60^{s}(5^{s}bl) sounded from a white house 10 feet northward of lighthouse. RADIOBEACON: See p. XVIII for method of operation. Visible from 357° to 250°.	
WATCHER ISLAND LIGHT **Fl. W., 10^{s}**	On northwest point of island. C.			....	11	Pole		39		
DUGOUT ROCKS LIGHT **Gp. Fl. W., 12^{s}** 0.5^{s} fl., 0.5^{s}ec. 0 5^{s}fl., 10.5^{s}ec. 2 flashes.	On Canoe Rocks, westerly of Cranstown Point, entrance to Fitzhugh, Sound. C.			....	13	White skeleton tower	20	68		
FITZHUGH SOUND (NO Charts 17201 ,17008)										
MAJOR BROWN ROCK LIGHT **Fl. W., 10^{s}**	On rock, entrance to Rivers Inlet. C.	51 25.6	127 41.9	....	11	White mast		38		

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA								
	FITZHUGH SOUND								
2757 G5669	CLARK POINT LIGHT............ Qk. Fl. W.	On point, Calvert Island. C.		....	11	White box on mast..............	35		
2758 G5670	BOSQUET POINT LIGHT.......... Fl. W., 10^s	On point, north end of Penrose Island. C. 51 30.6	127 43.9	....	9	Mast..........................	16	Obscured from 269° to 054 and from 073° to 087°.	
2759 G5672	Addenbrooke Island Light .... Fl. W., 5^s Resident Personnel.	On west point of island. C. 51 36.2	127 51.7	 1,500	15	Skeleton tower, mast dwelling. 38	95	HORN, diaphragm; two tone; 1 blast ev 30^s (3^sbl).	
2760 G5673	KWAKUME ISLAND LIGHT....... Fl. W., 10^s	On southwest end of island, opposite Hecate Island. C.		.. ..	10	Mast	22		
2761 G5674	KELPIE POINT LIGHT........... Fl. W., 4^s	On northeastern point of 85-foot island, Goldstream Harbor. C.		....	10	Black square mast............	27	Visible from 147° to 330°.	
2762 G5676	KIWASH ISLAND LIGHT.......... Fl. W., 6^s	On south end of island, Namu Harbor. C.		....	9	Pole..........................	17		
2763 G5678	FOG ROCKS LIGHT............... Fl. W., 10^s	On largest rock, Fisher Channel. C.		....	10	White mast on concrete base.....	25		
	LAMA PASSAGE (NO Chart 17186 ,17182) (For Johnson Channel and Return Channel, see No. 2770)								
2764 G5680	Pointer Island Light .... E. Int. W., 8^s Resident Personnel.	On southeast end of island, Fisher Channel and Lama Passage. C. 52 03.6	127 56.9	....	12	White skeleton tower.	45	HORN: 1 blast ev 20^s (3^sbl).	
2765 G5694	SERPENT POINT LIGHT......... Qk. Fl. W.	On rock drying 10 feet. C. 52 04.6	128 01.3	....	9	White slat-work drum..........	16		
2766 G5696	WALKER (CAMP) ISLAND LIGHT... Fl. W., 10^s	On south end of island, northeasterly of Ship Point. C.		....	10	White cylindrical tank on skeleton base, pyramidal skeleton superstructure.	26	Visible from 310½° to 168½	
2767 G5698	NAPIER POINT LIGHT........... Qk. Fl. W.	On point west side of channel. C.		....	8	White slat-work drum on pole....	14		
2767.50 G5698.4	STORY POINT LIGHT .... Fl. W., 4^s	On point...... C. 52 08.9	128 08.1	....	....	Mast.......................	18		
2768 G5699	BELLA BELLA LIGHT............ Fl. G., 10^s	On Government Wharf. C. 52 09.8	128 08.4	....	10	Red lantern on white post, braced to freight shed.	20		
2768.50	*Saunders Islands Lighted Buoy* .... Fl. R.	Off west end. ... C. 52 10.3	128 07.3	....	....	Red.......................			
2769 G5700	Dryord Point Light .... Occ. W., 5^s(4^slt) R. sector Resident Personnel.	On northeast point of Campbell Island, entrance to Seaforth Channel. C. 52 11.1	128 06.6	....	11	White square tower, white dwelling having a brown roof. 34	38	Red from 206½° to 339°; obscured from 039½° to 142½°. DIAPHONE: 1 blast ev 15^s (2^sbl).	
	(For Seaforth Channel, see No. 2773)								

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year

BRITISH COLUMBIA

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	JOHNSON CHANNEL AND RETURN CHANNEL (NO Chart 17183,17182)										
	SUNNY ISLAND LIGHT............ Fl. W., 10^s	On rock drying 5 feet, south of island, Fisher Channel, entrance to Johnson Channel. C.	52 11.3	127 52.1	....	10	White slatted ball daymark......		25		
	BEAUMONT ISLAND LIGHT........ Fl. W., 10^s	On north side of island, Johnson Channel. C.			....	10	White slatted ball daymark on mast.		25	Visible from 063° to 324°.	
	DONALD POINT LIGHT............ Fl. W., 10^s	On point, Return Channel. C.	52 17.6	128 05.9	....	9	White slatted ball daymark on mast.		20	Visible from 045° to 240°.	
50 4	LAW ISLAND LIGHT .... Fl. W.	On north end of island. C.	52 16.1	128 10.3	....	....	Mast on concrete base........		20		
	SEAFORTH CHANNEL										
	Dall Rocks Lighted Bell Buoy...... Fl. G.	In 108 feet, off north end of rocks, south of Chatfield Island. C.	52 13.1	128 09.3	....	....	Black........................			Ra ref.	
6	GLAHOLM ISLAND LIGHT......... Fl. W., 10^s	On island, off northwest end of Dearth Island, entrance to Return Channel. C.			....	9	Pole........................		16		
7	HYNDMAN REEFS LIGHT.......... Fl. G., 12^s	On reef.......... C.	52 15.7	128 14.5	....	10	Mast........................		24		
8	IDOL POINT LIGHT............... Fl. W., 10^s	On end of point, Dufferin Island. C.			....	10	White cylindrical tank, pyramidal skeleton superstructure.		25	Visible from 093° to 304°.	
13	**Ivory Island Light**................ Fl. W., 5^s Resident Personnel.	On Robb Point, entrance to Milbanke Sound. C.	52 16.2	128 24.3	....	14	Red tower....................		73	Visible from 281° to 165½° DIAPHONE: 1 blast ev 30^s(2. 5^sbl).	
	(For Hecate Strait, West and East Side, see Nos. 2737 and 2724)										
	MILBANKE SOUND (NO Charts 17183, 17014, 17182)										
3 14	SUSAN ROCK LIGHT.............. Fl. W., 10^s	On westerly rock... C.	52 17.2	128 30.3	....	12	White skeleton tower..........	16	52		
9	*Vancouver Rock Lighted Whistle Buoy.* Fl. R.	In 240 feet, 0. 2 mile westward of rock. C.	52 21.1	128 30.4	....	....	Red..........................			Ra ref.	
0 16	JORKINS POINT LIGHT .... Fl. W., 6^s	On shore, ¾ mile northeastward of point. Finlayson Channel. C.			....	10	White mast on concrete base....		28		
0. 50 718	FREEMAN POINT LIGHT........ Fl. W.. 10^s	On south end of island. C.	52 33.2	128 29.3	....	....	Mast on concrete base.		20		
1 719	LEGGE POINT LIGHT............. Fl. W., 6^s	On point, Cone Island, Finlayson Channel, Klemtu Passage. C.			....	....	Mast.........................		6		

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA										
	TOLMIE CHANNEL (NO Charts 17177, 17176)										
2782 G5720	BOAT BLUFF LIGHT Occ. W., 3.5^{s}(3^{s}lt) R. sector. Resident Personnel.	On west side of bluff, Sarah Island, entrance to Finlayson Channel. C.	52 38.6	128 31.3	....	5	White tower on top of fog signal building.		39	White from 291° to 336°; red from 336° to 092°; white from 092° to 134°; obscured elsewhere. HORN: 1 blast ev 15^{s} (2^{s}bl).	
2783 G5722	SPLIT HEAD (SEPARATION POINT) LIGHT. Qk. Fl. W.	On north tip of Swindle Island. C.			....	10	Mast		27		
2784 G5723	TENAS ISLAND LIGHT Fl. R., 10^{s}	On west side of island, 2 miles north of Split Head Light. C.			....	10	Pole		24		
2785 G5724	SARAH ISLAND LIGHT Gp. Fl. W., 15^{s} 0.5^{s}fl., 2^{s}ec. 0.5^{s}fl., 12^{s}ec. 2 flashes.	On northern end of island. C.			....	10	Skeleton tower	20	24		
2786 G5725	QUARRY POINT LIGHT Fl. G.	On point, entrance to Graham Reach. C.			....	9	Pole	14	16		
2787 G5728	GRIFFIN POINT LIGHT Fl. W., 10^{s}	On point, Marks reef extending 20 yards westerly from Baudre Point, Graham Reach. C.			....	10	White square mast		20		
	FRASER REACH AND McKAY REACH (NO Charts 17174,17014,17173)										
2788 G5730	RED CLIFF POINT LIGHT Fl. W., 10^{s}	On point, between Graham Reach and Fraser Reach. Marks reef extending 20 yards westerly from point. C.	53 03.9	128 32.9	....	9	White square mast		16		
2789 G5732	WORK ISLAND LIGHT Fl. W., 10^{s}	On northwest end of island, Fraser Reach. C.			....	9	Pole		18		
2790 G5734	KINGCOMBE POINT LIGHT Qk. Fl. W.	On north end of point, between Fraser Reach and McKay Reach. C.			....	10	Mast on concrete base		23	Visible from 107° to 312°.	
2791 G5737	TRIVETT POINT LIGHT Fl. W., 10^{s}(1^{s}fl)	On south side of McKay Reach. C.			....	8	Pole			Also known as Trinett Point.	
2792 G5736.8	POINT CUMMING LIGHT Fl. W., 6^{s}	On southwest point of Gribbell Island between McKay Reach and Wright Sound. C.			....	9	Tower	14	20		
2793 G5739.4	MONEY POINT LIGHT Gp. Fl. W., 12^{s} 2 flashes.	On point ...... C.	53 22.9	129 09.8	....	9	White platform on mast		13		
	LAREDO SOUND (NO Charts 17181,28165)										
2794	*Jaffrey Rock Lighted Whistle Buoy* Fl. R.	In 96 feet, 0.25 mile south-south-westward from rock. C.	52 27.3	128 49.4	....	....	Red			Ra ref.	
2795 G5734.2	LOMBARD POINT LIGHT Fl. W., 10^{s}	On point .... C.	52 28.8	128 56.5	....	12	White tower		45		

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA										
	LAREDO SOUND										
.4	ABRAMS ISLAND LIGHT **Gp. Fl. W., 12^s** 2 flashes.	On north side of island	52 32.2	128 49.8	....	10	Mast		22	Visible from 357° to 204°.	
.6	HAIG ROCK LIGHT **Fl. W., 10^s**	On rock .... C.	52 36.4	128 55.3	....	10	Mast		24		
	(NO Charts 17175, 17014)										
	Wilson Rock Lighted Bell Buoy **Fl. R.**	In 60 feet, westward of rock. C.	52 40.0	128 58.3	....	....	Red			Ra ref.	
4.8	RAMSBOTHAM ISLAND LIGHT **Fl. W., 10^s**	On eastern extremity of group. C.	52 41.9	129 02.1	....	10	Mast		23	Visible from 125° to 325°.	
	Morehouse Rock Lighted Bell Buoy **I. Qk. Fl. R.**	In 87 feet, close to rock. C.	52 45.6	129 05.9	....	....	Black and red horizontal bands			Ra ref.	
5	BAKER POINT LIGHT **Fl. W., 10^s**	On point .... C.	52 48.2	129 12.4	....	10	Mast		21		
5.2	DUCKERS ISLAND LIGHT **Fl. W., 10^s**	On island .... C.	52 55.6	129 11.5	....	10	Mast		22		
	WHALE CHANNEL (NO Charts 17175, 17014)										
36	ASHDOWN ISLAND LIGHT **Gp. Fl. W., 12^s** 2 flashes.	On westerly point.. C.	53 03.7	129 13.7	....	10	White tower		29		
36.2	LEVY POINT LIGHT **Fl. R., 10^s**	On point .... C.	53 04.7	129 12.0	....	10	Mast		20		
36.4	YORK POINT LIGHT **Qk. Fl. W.**	On point .... C.	53 05.5	129 10.4	....	5	Mast		25		
36.6	BORDE ISLAND LIGHT **Gp. Fl. W., 12^s** 2 flashes.	On northerly point. C.	53 05.1	129 07.1	....	10	White tower		27		
	GRENVILLE CHANNEL (NO Charts 17172, 17171, 17165)										
7 40.6	SAINTY POINT LIGHT **Fl. W., 4^s**	On point, 1½ miles northwest of Camp Point, south entrance to channel. C.	53 22.3	129 18.6	....	10	White spherical daymark on pole.		19		
7.50 747.34	BLOCK HEAD LIGHT **Fl. W., 10^s**	On southeast end of Farrant Island. C.	53 18.1	129 20.0	....	....	Mast on concrete base.		20	Visible 249° to 066°.	
8 740.8	TOM ISLAND LIGHT **Gp. Fl. W., 12^s** 0.5^{s}fl., 1.5^{s}ec. 0.5^{s}fl., 9.5^{s}ec. 2 flashes.	On island .... C.	53 32.6	129 36.2	....	....	Mast		18		
9 741	ORMISTON POINT LIGHT **Fl. W., 10^s**	On east shore of Pitt Island, 2½ miles northwest of James Point. C.			....	8	White daymark on mast		15	Also known as Mountain Point.	
9.50 742	SAUNDERS CREEK LIGHT **Fl. W., 10^s**	On shore opposite Saunders Creek. C.	53 36.3	129 41.6	....	....	Mast on concrete base.		10		

BRITISH COLUMBIA

(1)	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic	(6) Structure		(7)	
No.	Characteristic	Lat. N.	Long. W.	Intensity	Range	Ht. above ground	Ht. above water	Remarks	Year
	GRENVILLE CHANNEL								
2810 G5743	KLEWNUGGIT LIGHT Qk. Fl. W.	On northwestern rock of Morning Reef, entrance to inlet. C.		....	10	White mast	20		
2810.50 G5744	PITT ISLAND LIGHT Fl. W., 10^s	On shore west side of channel. C. 53 42.0	129 48.6	....	....	Mast on concrete base.	12		
2811 G5745	PITT POINT LIGHT Fl. W., 10^s	On point about ¾ mile southeast of Calvert Point. C.		....	10	Pole	21		
2812 G5746	WATSON ROCK LIGHT Fl. W., 10^s	On rock, Gibson Island west entrance to Grenville Channel. C.		....	10	White mast	25		
	ARTHUR PASSAGE AND MALACCA PASSAGE (NO Charts 17014,17165)								
2813 G5759	KENNEDY ISLAND LIGHT Fl. W., 10^s	On southwest side of island. C. 54 00.4	130 12.4	....	9	Tripod structure	16		
2814 G5760	HERBERT REEFS LIGHT Gp. Fl. W., 12^s 0.5^sfl., 1.5^sec. 0.5^sfl., 9.5^sec. 2 flashes.	Near north end of reef, off Elliott Island, Arthur Passage. C.		....	10	White mast with daymark on concrete base.	22		
2815 G5761	HANMER ISLAND LIGHT Fl. R., 10^s	On south end of island, Arthur Passage. C.		....	8	Pole	14	Visible from 282° to 127°.	
2816	*Cecil Patch Lighted Bell Buoy* Fl. G.	In 72 feet, on northeast end of patch, west of Hanmer Island. C.		....	....	Black		Ra ref.	
2817 G5768	GENN ISLAND LIGHT Fl. W., 10^s	On west point of island, Malacca Passage. C.		....	10	White mast on concrete base	30		
2818 G5770	**Lawyer Islands Light** Fl. W., 10^s Resident Personnel.	At northwest end of northernmost island of group, Malacca Passage. C. 54 06.8	130 20.5	....	17	Skeleton tower	126	DIAPHONE: 2 blasts ev 60^s (4^sbl-3^ssi-4^sbl-49^ssi). Horn points 289° from a building 150 yards southward of lighthouse.	
	CHATHAM SOUND (Chart 8102; NO Chart 17165)								
2819 G5758	USELESS POINT LIGHT Fl. W., 6^s	In Eyde Passage... C. 54 02.4	130 33.7	....	9	Mast	18		
2820 G5790	GULL ROCK LIGHT Fl. W., 10^s	On highest rock of group. C. 54 08.0	130 31.1	....	10	White slatted daymark	26		
2821 G5806	NORTH RACHAEL ISLAND LIGHT Gp. Fl. W., 15^s 0.5^sfl., 2^sec. 0.5^sfl., 12^sec. 2 flashes.	On southeast end of island. C.		....	....	Pole	20	Visible from 160° to 341°.	
2822 G5772	HOLLAND ROCK LIGHT Gp. Fl. W., 12^s 0.5^sfl., 5^sec. 0.5^sfl., 10.5^sec. 2 flashes.	On south end of rock. C. 54 10.3	130 21.6	....	10	White skeleton tower on concrete building.	22		
2823 G5772.5	GREENTOP ISLET LIGHT Fl. W., 10^s	.... C. 54 10.7	130 24.6	....	....	Mast	35		

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	BRITISH COLUMBIA									
	CHATHAM SOUND									
	North Kitson Bank Lighted Bell Buoy. **Fl. R.**	In 72 feet, west of Lelu Island, entrance to Porpoise Harbor. C.			....	....	Red		Ra ref.	
	EAST KINAHAN ISLAND LIGHT **Fl. W., 10ˢ**	On northeast end of island. C.			....	10	White mast on concrete base	24		
	Petrel Rock Lighted Bell Buoy **Fl. G.**	In 69 feet, marks southwest edge of shoal. C.	54 13.7	130 24.9	....	....	Black		Ra ref.	
	(For continuation of Chatham Sound, see No. 2835)									
	PRINCE RUPERT HARBOR (NO Charts 17165,17166,17014)									
	Georgia Rock Lighted Bell Buoy **Fl. G.**	In 90 feet, close to southeast side of rock. C.	54 13.3	130 21.8	....	....	Black		Ra ref.	
	BARRETT ROCK LIGHT **Fl. R., 10ˢ** Resident Personnel.	On rock. C.	54 14.6	130 20.5	....	11	White square house on white tower.	22	HORN: 2 blasts ev 20ˢ(1ˢbl-1ˢsi-1ˢbl-17ˢsi).	
	Spire Ledge Lighted Bell Buoy **Fl. G.**	In 21 feet, off east end of reef. C.			....	....	Black		Ra ref.	
11 . 4	FREDERICK POINT LIGHT **Gp. Fl. G., 12ˢ** 0.5ˢfl., 0.5ˢec. 0.5ˢfl., 10.5ˢec. 2 flashes.	At edge of bar C.	54 15.6	130 21.5	....	....	Dolphin	20		
	CASEY POINT LIGHT **Fl. R., 10ˢ**	In 12 feet, on edge of shoal. C.			....	10	White cone daymark on dolphin	20		
	PARIZEAU POINT LIGHT **Fl. W., 6ˢ**	At end of boat landing, easternmost of 2 dolphins. C.			....	2	Black dolphin	18		
	ELIZABETH POINT LIGHT **Fl. G., 10ˢ**	On south side of channel leading into Dodge Cove. C.	54 17.4	130 22.5	....	8	White mast	8	Visible from 228° to 250°.	
	GRINDSTONE REEF LIGHT **Fl. R., 4ˢ**	On rock, north of Grindstone Point, east entrance to Venn Passage. C.			....	8	Mast	17	Reef extends northward.	
	CHATHAM SOUND (Chart 8102; NO Chart 17164)									
	Lucy Island Light **Fl. R., 5ˢ** Resident Personnel.	On northeast end of East Lucy Island. C.	54 17.7	130 36.4	....	14	White tower, white rectangular fog signal building with red roof. 35	71	Visible from 094½° to to 351°30′. DIAPHONE: 2 blasts ev 60ˢ(2.5ˢbl-3ˢsi-2.5ˢbl-52ˢsi). Ra ref.	
	Tugwell Reef Lighted Bell Buoy **Fl. G., 4ˢ**	In 60 feet, on southeast edge of reef, Metlakatla Bay. C.			....	....	Black			
	SHRUB ISLAND LIGHT **Fl. R., 10ˢ**	On northwest end of shoal extending northward from island Metlakatla Bay. C.			....	9	White cone daymark on pole	17		
7.50 08. 2	RYAN POINT REEF LIGHT **Fl. W., 10ˢ**	On rock C.	54 21.6	130 29.9	....	....	Mast on concrete base	18		

(1) No.	(2) Name Characteristic	(3) Location			(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure			(7) Remarks	Year
			Lat. N.	Long. W.				Ht. above ground	Ht. above water		

BRITISH COLUMBIA

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CHATHAM SOUND										
2838	*Hodgson Reefs Lighted Whistle Buoy.* Fl. R.	In 108 feet, west of reefs. C.			....	....	Red...........................			Ra ref.	
2839 G5808.4	SLIPPERY ROCK LIGHT .... Gp. Fl. W., 12^s 0.5^sfl., 1^sec. 0.5^sfl., 10^sec 2 flashes.	C	54 24.0	130 29.7	....	10	Pole on concrete base		22		
2840	*Tree Bluff Lighted Bell Buoy*....... Fl. R.	In 54 feet, at end of shoal, west of bluff. C.			....	....	Red...........................			Ra ref.	
2842 G5820	BIRNIE ISLAND LIGHT............ Fl. W., 10^s	On rock, 35 yards south of Knox Point, Inskip Pass. C.			....	10	White mast....................		28	Visible from 256° to 146°.	
2843 G5822	POINTER ROCKS LIGHT.......... Fl. W., 10^s	On southernmost rock, Main Passage. C.			....	10	White mast....................		21		
2844 G5814	**Green Island Light**................ Fl. W., 5^s Resident Personnel.	On southwest side of island. C.	54 34.1	130 42.4	....	13	White tower with red lantern, 2 dwellings, fog alarm building.	45	63	DIAPHONE: 1 blast ev 30^s (3^sbl).	
2845 G5816	HOLLIDAY ISLAND LIGHT........ Fl. W., 10^s	On north end of island, northeast of Dundas Island. C.	54 37.4	130 45.5	....	10	White slatted daymark on concrete base.		30	Visible from 109° to 354°.	
	(For Dixon Entrance, see No. 2900, and Portland Inlet and Pearse Canal, see No. 2905)										

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
DIXON ENTRANCE (Charts 8102, 8152)									
LORD ROCK LIGHT **Fl. W., 4s**	On highest point of rock. 54 43.6	130 49.1	6 200	11	Small white house on skeleton tower.		36		1913–1924
Tree Point Light **Fl. W., 6s (1sfl)**	On point 54 48.2	130 55.9	9 800	15	White square tower on building.	66	86	Obscured from 158° to 318°. Emergency light of lower intensity if main light is extinguished.	1903–1969
(For Revillagigedo Channel see No. 2918)									
BARREN ISLAND LIGHT **Fl. W., 4s**	On highest part of island. 54 44.7	131 20.9	6 120	15	NR on cylindrical house on pyramidal skeleton tower.	59	85		1916
CAPE CHACON LIGHT **Fl. W., 2.5s**	On point of cape 54 41.5	132 00.9	7 350	13	Red and white checkered square daymark on frame.		50	Obscured from 098° to 223°.	1912–1968
(For Clarence Strait see No. 2973)									
POINT MARSH LIGHT **Fl. W., 4s**	On small islet south east of Point Marsh. 54 42.8	132 17.6	6 110	13	Red and white checkered square daymark on small house.		66	Obscured from 127½° to 265°.	1940
PORTLAND INLET (Charts 8053, 8054)									
LIZARD POINT LIGHT **Fl. W.**	On point C. 54 50.0	130 16.5	....	10	Orange cylindrical tank, pyramidal skeleton superstructure.		24		
RAMSDEN POINT LIGHT **Fl. W.**	On end of point C. 54 59.1	130 06.4	....	10	Orange ball daymark on pole		27	Obscured from 118° to 260°.	
PEARSE CANAL (Chart 8053)									
— LIGHT **Fl. W., 4s**	On south point of island, south of Male Point. 54 47.1	130 36.5	....	....	NR on small white house		16	Obscured from 148° to 236°.	1939
PORTLAND CANAL (Charts 8053, 8054)									
REEF ISLAND LIGHT **Fl. W., 4s**	On south end of island. 55 04.8	130 12.1	5 100	9	NR on small house		19	Obscured from 020½° to 197½°.	1923
HATTIE ISLAND LIGHT **Fl. W.**	On west side of island. C. 55 17.2	129 58.4	....	....	White ball daymark on pole		21	Visible from 336° to 171°.	
Turn Point Daybeacon	On point 55 26.6	130 03.2	....	....	NR on slatted tripod				
CLIFF POINT LIGHT **Fl. W., 6s (1sfl)**	On point 55 40.9	130 07.4	 120	....	NR on small house		36	Obscured from 160° to 345°.	1923

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA AND BRITISH COLUMBIA									SEVENTEENTH DISTRICT	
	PORTLAND CANAL										
	Salmon River Shoal Buoy 1	In 26 feet	55 54.8	30 00.2			Black can				
2911	STEWART LIGHT **Fl. W.**	On foreshore, opposite Eagle Point. C.	55 54.7	129 59.5		8	Orange pyramid daymark		16		
	NAKAT BAY (Chart 8141)										
	Tongass Reef Daybeacon	On north point of reef, awash at high water.	54 47.2	130 44.6			NR on skeleton tower				
2914	BOAT ROCK LIGHT **Fl. W., 2.5ˢ**	On southwest end of rock.	54 46.8	130 47.9	6 130	12	NR on skeleton tower		46	Obscured from 049° to 210°.	1918
	REVILLAGIGEDO CHANNEL (Chart 8075)										
2917.20	EAST ISLAND LIGHT **Fl. W., 2.5ˢ**	On shore	54 52.2	131 11.6	6 200	12	NR on skeleton tower		43		1970
2917.30	FOGGY POINT LIGHT **Fl. W., 4ˢ**	On point	54 55.5	130 58.5	6 200	9	NR on skeleton tower		17		1970
2918	BLACK ROCK LIGHT **Fl. W., 2.5ˢ**	On highest part of rock.	55 01.4	131 03.5	7 250	13	NR on cylindrical house on pyramidal skeleton tower.		55		1918
2919	SLATE ISLANDS LIGHT **Fl. W., 4ˢ**	On south end of southernmost island of group.	55 05.3	131 03.1	5 100	11	NR on small house		33	Obscured from 124½° to 252°.	1922
2920	MARY ISLAND LIGHT **Fl. W., 6ˢ(1ˢfl)**	On northeast shore of island.	55 06.	131 10.8	10 1,100	14	White square tower on white building.		76	Obscured from 344° to 149°. HORN, diaphragm; 1 blast ev 30ˢ (3ˢbl).	1903 – 1937
2920.50	TWIN ISLANDS LIGHT **Fl. G., 6ˢ(1ˢfl)**	On eastern side of larger island.	55 08.6	131 12.9	6 150	9	NR on square frame structure		19		1969
2921	HOG ROCKS LIGHT **Fl. W., 4ˢ**	On southeast rock of group.	55 10.7	131 16.9	6 110	10	NR on truncated concrete pyramid.	25	23		1907
2922	ANGLE POINT LIGHT **Fl. W., 6ˢ(1ˢfl)**	On southwest shore of Bold Island.	55 14.3	131 25.4	5 100	11	NR on small house		24	Obscured from 132° to 298°.	1920 – 1926
	Mastic Rock Daybeacon	In passage north of Bold Island. On rock awash.					NR on pile				
2923	SPIRE ISLAND REEF LIGHT **Fl. W., 4ˢ**	On north end of reef	55 16.1	131 29.9	5 100	11	White, square, truncated concrete pyramid.		30		1910 – 1911
	Cutter Rocks Daybeacon	Off Mountain Point, entrance to Carroll Inlet.					White, square, skeleton slatted tower.				
2924	MOUNTAIN POINT LIGHT **Fl. W., 6ˢ(1ˢfl)**	On point at south entrance to Tongass Narrows.	55 17.6	132 32.8	200		NR on skeleton tower		29	Obscured from 117° to 282°.	1950
2925	*Potter Rock Lighted Bell Buoy* **I. Qk. Fl. W.**	In 22 feet, on north east side of rock.					Black and red horizontal bands.				
	(For Tongass Narrows, see No. 2943)										

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year

ALASKA SEVENTEENTH DISTRICT

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
FELICE STRAIT (Chart 8075)										
Indian Rock Lighted Buoy 6 Fl. R., 4^s	In 30 feet, on northwesterly side of shoal.	55 01.8	131 20.7	....	....	Red				
SNIPE ISLAND LIGHT Fl. W., 4^s	On island	55 00.3	131 23.3	 100	....	NR on small house		22		1940
AJAX REEF LIGHT Fl. W., 6^s(1^sfl)	On southerly side of reef.	55 00.1	131 27.6	6 120	11	NR on small house on tower		31		1941
HARRIS ISLAND LIGHT Fl. W., 2.5^s	On north end of island.	55 00.2	131 32.1	6 130	9	NR on small house		16	Obscured from 294° to 088°.	1940
POINT DAVISON LIGHT Fl. W., 4^s	Off south end of Point Davison.	54 59.7	131 36.8	5 100	11	NR on small house		35	Obscured from 138° to 258°.	1941
TAMGASS HARBOR (Chart 8074)										
MULE ROCK LIGHT Fl. W., 4^s	On rock east side of entrance to Tamgass Harbor.	55 01.3	131 30.7	5 100	11	NR on small house on skeleton tower.		30		1941
Deer Point Shoal Buoy 1	In 27 feet, easterly side of shoal.			....	....	Black can			White reflector.	
Tent Point Shoal Lighted Buoy 3 Fl. G., 4^s	In 20 feet			....	....	Black				
— Crab Point Shoal Buoy 5	In 30 feet on edge of shoal.	55 04.2	131 32.7	....	....	Black can			Ra ref. White reflector	
NICHOLS PASSAGE (Chart 8075)										
Hid Reef Lighted Whistle Buoy 2 Fl. R., 4^s	In 105 feet, on northwest end of reef.	55 04.2	131 40.4	....	....	Red				
POINT McCARTEY LIGHT Fl. W., 6^s (1^sfl)	On southeasternmost islet off Dall Head.	55 06.9	131 42.2	....	....	NR on small house on brown skeleton tower.		50	Obscured from 080° to 090°, and from 113° to 191°.	1916
Point McCartey Buoy 1	In 87 feet, east side of shoal, southeast of Point McCartey Light.			....	....	Black can			White reflector.	
WARBURTON ISLAND LIGHT Fl. W., 4^s	On east side of island	55 07.9	131 37.9	5 100	11	NR on small house		35	Obscured from 061° to 178°.	1912
Gull Island Buoy	In 60 feet, at west end of reef on north side of west entrance to Port Chester.			....	....	Black and red horizontal bands; can.			White reflector.	
Kelp Rocks Buoy 1	In 60 feet, on east side of northernmost rock, 1.5 miles from Warburton Island Light.			....	....	Black can			White reflector.	
DRIEST POINT LIGHT Fl. R., 6^s (1^sfl)	On point	55 10.7	131 36.3	....	....	NR on small house		29	Obscured from 184° to 326°.	1958

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	NICHOLS PASSAGE										
	SEAL COVE (Chart 8085)										
	— Entrance Buoy 2	In 19 feet, at southern entrance.	55 10.6	131 43.1			Red nun			Red reflector.	
	— Buoy 4	In 9 feet					Red nun			Red reflector.	
	— Buoy 6	In 16 feet					Red nun			Red reflector.	
	— Rock Buoy	In 30 feet, on south side of rock, off cove, west side of Nichols Passage.					Black and red horizontal bands; can.			White reflector.	
	PORT CHESTER (Chart 8074)										
2937	VILLAGE POINT LIGHT Fl. R., 4^s	On end of wharf, Metlakatla.	55 07.9	131 34.6			TR on skeleton tower		40		1917 – 1950
2938	METLAKATLA BREAKWATER LIGHT. Fl. G., 4^s	On north end of breakwater.	55 07.8	131 34. 2			SW on skeleton tower on concrete base.		15		1959
2938. 30	METLAKATLA PIER NORTH LIGHT. F. R.	On northwest corner of dock.	55 07. 8	131 34. 1			Dock		10	Private aid.	1968
2938. 50	METLAKATLA PIER SOUTH LIGHT F. R	On southeast comer of dock.					Dock		10	Private aid.	1968
2939	*Scrub Island Lighted Buoy 1* Fl. W., 6^s (1^sfl)	In 35 feet, on westerly side of a sunken rock.					Black				
2940	*Lively Rock Lighted Buoy 2* Fl. W., 4^s	In 30 feet, northeast of rock, and west of Hemlock Island.					Red				
	NICHOLS PASSAGE										
2941	BAILEY ROCK LIGHT Fl. W., 4^s	On rock covered at high water.	55 15.4	131 35.9	5 100	10	NR on pile		20		1938–1969
2942	BLANK ISLANDS LIGHT Gp. Fl. W., 2.5^s	On south end of southern island of group.	55 16.0	131 38. 3	6 110	11	NR on small house		30	Obscured from 031° to 198°	1912
	TONGASS NARROWS (Chart 8094)	Some buoys may be located outside of the wire dragged area.									
2942. 70	—*West Channel Lighted Buoy 2* Fl. R., 2.5^s	In 27 feet, off south end of Pennock Island.					Red			Ra ref.	
2943	— WEST CHANNEL LIGHT Fl. R., 4^s	On westerly side of Pennock Island.	55 19. 2	131 38. 5			TR on skeleton tower		16	Obscured from 134½° to 306°.	1941
2943. 11	—*West Channel Lighted Buoy 3* Fl. G., 4^s	In 24 feet, on edge of shoal off Gravina Island.					Black				
2944	*California Rock Lighted Buoy 1* Fl. G., 4^s	In 30 feet, north side of rock opposite Saxman.	55 18.9	131 36.1			Black			Ra ref.	
2945	*Idaho Rock Lighted Buoy 2* Fl. R., 4^s	In 19 feet, off west side of rock.					Red				

ALASKA SEVENTEENTH DISTRICT

(1)	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	TONGASS NARROWS	Some buoys may be located outside of the wire dragged area.							
	STANDARD OIL COMPANY FLOAT EAST END LIGHT. **F. R.**	On east end of float . . 55 20.0	131 37.6	....	....	....	2	Private aid.	1957
	STANDARD OIL COMPANY FLOAT WEST END LIGHT. **F. R.**	On west end of float .		....	....	....	2	Private aid.	1957
	STANDARD OIL COMPANY PIER EAST LIGHT. **F. R.**	On east end of pier . . .		....	....	....	10	Private aid.	1957
	STANDARD OIL COMPANY PIER WEST LIGHT. **F. R.**	On west end of pier. .		....	....	....	10	Private aid.	1957–1967
	THOMAS BASIN EAST LIGHT . . . . **Fl. R., 2.5ˢ**	In 19 feet, off west end of Thomas Basin breakwater. 55 20.3	131 38.5	....	....	TR on pile	14		1931–1970
	THOMAS BASIN WEST LIGHT . . . **Fl. G., 2.5ˢ**	In 16 feet, at outer end of dredged channel.		....	....	Dolphin	14		1931–1964
	Pennock Island Reef Lighted Buoy 3 **Fl. W., 2.5ˢ**	In 27 feet, on north side of reef. 55 20.3	131 40.0	....	....	Black........................			
	— *Wreck Lighted Buoy WR4A* . . . . . **Qk. Fl. R.**	In 60 feet, 75 yards 198° from last reported position of wreck. 55 20.7	131 40.3	....	....	Red		Marks sunken barge.	
	BAR POINT BASIN ENTRANCE SOUTH LIGHT. **Fl. R., 4ˢ**	On outer end of Bar Point Basin east breakwater. 55 20.9	131 40.6	....	....	TR on skeleton tower on concrete base.	11		1958
	BAR POINT BASIN ENTRANCE NORTH LIGHT. **Fl. G., 4ˢ**	On east end of west breakwater.		....	....	SW on skeleton tower on concrete base.	10		1958
	BAR POINT BREAKWATER LIGHT. **Fl. W., 4ˢ**	In 32 feet on west side of north entrance. 55 21.1	131 40.9			TR on pile	14		1958–1966
	EAST CLUMP LIGHT . . . . **Fl. W., 6ˢ(1ˢfl)**	On east side of Clump Island. 55 20. 7	131 41.2	....	....	NR on square frame	15		1910–1969
	West Clump Daybeacon	On southwest shore, 0.6 mile 318° from East Clump Light.		....	....	White; X-shaped daymark on slatted tripod.			
	SUNNY POINT LIGHT .... **F. R.**	On northwest corner of cannery dock, at Charcoal Point. 55 21.3	131 41.8	....	....	Pole	38		1940 – 1967
	— Buoy 5	In 27 feet, 0.8 mile southeast from Lewis Reef Light.		....	....	Black can		White reflector.	
50	— *Lighted Buoy 8* . . . . **Fl. W., 2.5ˢ**	In 27 feet, 0.7 mile 55 22.4	136 43.5	....	....	Red		Ra ref.	
	LEWIS REEF LIGHT .... **Fl. W., 6ˢ(1 ˢfl)**	On reef, off Lewis Point. 55 22.5	131 44.2	6 130	9	SW on concrete pyramid	15		1915–1948
	Peninsula Point Daybeacon	On west end of point.		....	....	TR on slatted tripod			
	Peninsula Point Reef Buoy 2......	In 14 feet, marks end of reef.		....	....	Red nun......................		Red reflector.	

ALASKA

SEVENTEENTH DISTRIC

(1) No.	(2) Name / Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	TONGASS NARROWS	Some buoys may be located outside of the wire dragged area.								
2960	CHANNEL ISLAND LIGHT Fl. R., 4^{s}	At west end of island. 55 23.7	131 45.8	....	....	NR on skeleton tower			Obscured from 237° to 270. HORN, diaphragm; 1 blast ev 15^{s} (2^{s} bl).	1910–1919
2961	*Ohio Rock Lighted Buoy* I. Qk. Fl. W.	In 68 feet, marks rock northwest of Channel Island.		....	....	Red and black horizontal bands.				
2962	ROSA REEF LIGHT Fl. W., 6^{s}(1^{s}fl)	On east end of reef 55 24.8	131 48. 1	....	....	Small white house on pyramidal base.		23		1915
2963	*Pond Reef Lighted Buoy 10* Fl. R., 2.5^{s}	In 36 feet, on southwest side of reef. 55 26.1	131 48.7	....	....	Red				
	Vallenar Point Buoy 7	In 144 feet 55 25.8	131 50.4	....	....	Black can			White reflector.	
2963.50	VALLENAR ROCK LIGHT Fl. W., 2.5^{s}	On rock 55 25.9	131 51.7	6 130	9	NR on column		18		1969
2964	**Guard Islands Light** Fl. W., 5^{s}	On north island 55 26.8	131 52.8	23 350,000	14	White square tower on rectangular building.	30		Emergency light, Fl. W., 2. light of lower intensity if main light is extinguished. RADIOBEACON: Antenna 190 feet 017° from light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s} (3^{s}bl). See p. XIX for Special Direction Finder Calibration Service.	1903–1924
	(For Clarence Strait, see No. 2983)									
	BEHM CANAL (Charts 8079, 8078)									
2965	CLOVER PASSAGE ENTRANCE LIGHT. Fl. W., 6^{s}	On small islet southwest of Clover Island. 55 28.7	131 48.7	6 120	9	NR on small white house			Obscured from 101° to 227°.	1943
	Clover Passage Daybeacon	On rock awash at entrance to Knudson Cove.		....	....	TR on pile				
	Knudson Cove Daybeacon	On rock awash at half-tide, 20 yards east of Knudson Cove Light.		....	....	NR on pile				
	Hump Island Daybeacon	On southeast side of Hump Island in Clover Passage.		....	....	NR on white slatted tripod				
2967	GRANT ISLAND LIGHT Fl. W., 6^{s}(1^{s}fl)	On westerly side of island. 55 33.4	131 43.6	....	....	NR on small white house				1943
2968	HELM BAY LIGHT Fl. W., 4^{s}	On outer islet south side of entrance to bay. 55 34.8	131 55.6	5 100	9	NR on small white house		18		1939
2968.11	BUSHY POINT LIGHT Fl. W., 4^{s}	On west side of Bushy Point. 55 43.9	131 43.8	6 150	8	Red and white checkered square daymark on square frame.		12		1965

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
ALASKA						SEVENTEENTH DISTRICT	
BEHM CANAL							
BLUFF POINT LIGHT **Fl. W., 6^{s}**	On south side of entrance to Yes Bay. 55 53.1 131 44.7	6 120	10	NR on small white house	23		1943
SNIPE POINT LIGHT **Fl. W., 2.5^{s}**	On southwest end of Bell Island, marks entrance to Bell Arm and Behm Narrows. 55 55.6 131 36.8	....	....	NR on small house	32		1943
BELL ISLAND LIGHT **Fl. W., 4^{s}**	On shore back of landing. 55 55.8 131 34.2	 100	....	NR on small white house	35		1925 – 1939
CLARENCE STRAIT (Charts 8102, 8201)	Some buoys may be located outside of the wire dragged area.						
CAPE CHACON LIGHT **Fl. W., 2.5^{s}**	On point of cape 54 41.5 132 00.9	7 350	13	Red and white checkered square daymark on frame.	50	Obscured from 098° to 223°.	1912–1968
McLEAN POINT LIGHT **Fl. W., 4^{s}**	On east side of point. 54 47.5 131 57.3	5 100	13	Red and white checkered square daymark on small house.	58	Obscured from 005° to 177°.	1925 – 1957
MOIRA ROCK LIGHT **Fl. W., 4^{s}**	On highest part of rock. 55 05.0 131 59.8	5 100	12	Red and white checkered square daymark on pipe structure.	40		1916 – 1967
(For Nichols Passage, see No. 2933)							
SKIN ISLAND LIGHT **Fl. W., 4^{s}**	On northeast point of island. 55 18.2 132 04.4	6 130	11	NR on small house	33	Obscured from 006° to 154°.	1918–1954
HIGH ISLAND LIGHT **Fl. W., 6^{s} (1^{s}fl)**	On northeasterly side of island. 55 24.1 132 09.8	6 120	12	NR on square frame	40	Obscured from 328° to 133°.	1943 – 1969
KASAAN BAY (Chart 8142)							
TROLLERS COVE LIGHT **Fl. W., 4^{s}**	On west side of eastern entrance to cove. 55 22.2 132 12.3	5 100	9	NR on small house	15	Obscured from 029° to 192°.	1931
SKOWL POINT LIGHT **Fl. W., 4^{s}**	At entrance to Skowl Arm. 55 25.7 132 16.1	6 130	9	NR on skeleton tower	19		1934–1968
KASAAN LIGHT **Fl. W., 4^{s}**	Southeast of cannery dock. 55 32.1 132 23.6	5 100	10	NR on small house	26	Obscured from 120½° to 302½°.	1938
Hollis Anchorage Daybeacon	On rocks 55 28.8 132 39.1	....	....	Red and white checkered square daymark on pole.			
CLARENCE STRAIT							
CAAMANO POINT LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On southernmost part of point. 55 29.9 131 58.9	6 160	11	KRW on small house	33	Obscured from 118° to 276°.	1944 – 1959
Niblack Point Daybeacon	On point of ledge; 4 miles southeast of Ship Island.	....	....	NR on skeleton tower			
SHIP ISLAND LIGHT **Fl. W., 4^{s}**	On highest part of islet. 55 36.0 132 12.0	5 100	12	NR on small house		Partially obscured by trees between island and main shore.	1910

(1) No.	(2) Name Characteristic	(3) Location			(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure			(7) Remarks	
			Lat. N.	Long. W.				Ht. above ground	Ht. above water	Remarks	Year
	ALASKA									SEVENTEENTH DISTRIC	
	CLARENCE STRAIT	Some buoys may be located outside of the wire dragged area.									
2985	MEYERS CHUCK LIGHT Fl. W., 4^s	On north point of Meyers Island, south side of entrance to Meyers Chuck.	55 44.5	132 15.7	....	....	NR on small house		22	Obscured from 244° to 040°.	1922–1930
	Meyers Chuck Buoy 1	In 9 feet, marks rock awash.			....	....	Black can			White reflector.	
2986	*McHenry Ledge Lighted Bell Buoy 2.* Fl. W., 2.5^s	In 45 feet, 200 yards 300° from shoalest part of ledge.			 130	....	Red				
2987	NARROW POINT LIGHT Fl. W., 6^s (1^sfl)	On point	55 47.5	132 28.5	6 170	11	Red and white checkered square on small house.		35	Obscured from 336° to 152°.	1915
2988	RATZ HARBOR ENTRANCE LIGHT. Fl. W., 4^s	On southernmost islet, north side of entrance to harbor.	55 53.3	132 35.8	5 100	10	Small white house		20		1943
	Point Stanhope Buoy 2	In 45 feet			....	....	Red nun.			Red reflector.	
2990	LINCOLN ROCK WEST LIGHT Fl. W., 6^s(1^sfl)	On rock	56 03.4	132 41.8	9 800	13	NR on skeleton tower on concrete base.		58		1961
2991	BECK ISLAND LIGHT Fl. W., 4^s	On north end of island.	56 02.9	132 51.7	6 150	9	Red and white checkered square daymark on skeleton tower.		17	Obscured from 334° to 060°.	1915–1965
2992	KEY REEF LIGHT Fl. W., 6^s (1^sfl)	On reef	56 09.6	132 49.8	6 130	11	Small white house on truncated concrete pyramid.		35		1912
	Point Harrington Buoy 4	In 27 feet, on outer part of rock, off point.			....	....	Red nun.			Red reflector.	
2993	NESBITT REEF LIGHT Fl. W., 2.5^s	On southern end of Nesbitt Reef.	56 13.2	132 51.8	6 110	10	NR on skeleton tower on concrete pier.		27		1939
2993.50	KASHEVAROF PASSAGE LIGHT Fl. W., 6^s(1^sfl)	On west side of islet.	56 10.8	133 01.2	6 200	10	Red and white checkered square daymark on square frame.		20		1966
2994	*Snow Passage Lighted Buoy 2* Fl. R., 6^s (1^sfl)	In 42 feet, east side of passage.	56 16.2	132 56.5	....	....	Red			Ra ref.	
2995	BUSHY ISLAND LIGHT Fl. W., 4^s	Off northeast end of island.	56 16.6	132 57.5	5 100	10	Small white house on brown cylindrical base.		22	Obscured from 353° to 111°.	1910
2996	ROOKERY ISLAND LIGHT Fl. W., 4^s	On northeast side of island.	56 18.9	133 06.3	....	....	Small white house		40	Obscured from 279° to 163°.	1941
	Macnamara Point Daybeacon	On point, east side of strait.	56 19.9	133 03.8	....	....	TR on white slatted tripod				
	Bay Point Daybeacon	On rock	56 20.2	133 09.7	....	....	Red and white checkered square daymark on pole.				
	(For Summer Strait eastward, see No. 3007)										
	ERNEST SOUND (Chart 8161)										
2996.30	EASTERLY ISLAND LIGHT Fl. W., 4^s	On north end of island.	55 53.8	132 05.3	6 150	10	Red and white checkered square daymark on frame.		21		1966
	Brownson Island Rocks Daybeacon	On outermost rock	55 56.0	132 06.7	....	....	SW on pole				
2996.50	SOUTH NIBLACK ISLANDS LIGHT Fl. W., 2.5^s	On east side of island.	56 00.4	132 05.3	6 130	10	NR on square frame		24		1968

(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
ERNEST SOUND										
FOUND ISLAND LIGHT **Fl. W., 6^s(1^sfl)**	On southwest side of island.	56 06.2	132 04.7	6 200	10	Red and white checkered square daymark on frame.		24		1966
ZIMOVIA STRAIT	Some buoys may be located outside of the wire dragged area.									
(Chart 8161)										
Found Island Rock Daybeacon	On rock awash	56 06.8	132 04.3	....	....	Red and white checkered square daymark on pole on concrete pier.				
— LIGHT 2 **Fl. R., 2.5^s**	On islet off western point of the largest island of group to the eastward of Whaletail Cove.	56 11.1	132 12.7	....	....	TR on small house				1937
Trap Rock Buoy 3	In 15 feet, off ledge, about 100 yards east of rock in Zimovia Strait.			....	....	Black can			Ra ref. White reflector.	
Button Island Shoal Buoy 5	In 23 feet, northeast of island in Zimovia Strait.			....	....	Black can			White reflector.	
— LIGHT 6 **Fl. R., 2.5^s**	0.8 mile southeast of Deserted Village.			....	....	TR on small house				1937
Double Rock Daybeacon 8A	On outer rock awash 0.5 mile southeast of Deserted Village.			....	....	TR on pile				
— Buoy 8	In 37 feet, southeasterly of rock.			....	....	Red nun			Red reflector.	
Midchannel Rock Daybeacon	On rock awash southerly of Deserted Village.			....	....	Red and white checkered square daymark on pile.				
Village Rock Daybeacon 10	On rock awash, northeast side of channel, opposite Village Islands.			....	....	TR on pile				
VILLAGE ISLANDS LIGHT 11 **Fl. G., 4^s**	On a rock off northeast shore of largest island of Village Islands group.			....	....	SW on small house				1937
Village Islands Rock Daybeacon 13	On northernmost rock awash.			....	....	SW on pipe on concrete pier				
HAT ISLAND LIGHT **Fl. W., 4^s**	On south point of island, Chicago of Pass.	56 22.5	132 25.5	....	....	Red and white checkered square daymark on small house.		19	Obscured from 091° to 234°.	1932
WRANGELL BREAKWATER LIGHT. **Fl. R., 4^s**	On outer end of breakwater.	56 28.0	132 23.0	6 120	9	TR on pile		21		1924–1969
Wrangell Harbor Daybeacons 2, 3, 4, 5, 6.	Mark connecting channel to inner mooring basin, numbered from southwest to northeast.			....	....	Odd numbered, SW on pile; even numbered, TR on pile.				
Oil Dock Reef Daybeacon	On reef, bare at low water, north of Wrangell.			....	....	Red and white checkered square daymark on pile.				

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	BLAKE CHANNEL (Chart 8161)										
3001.10	—LIGHT 1 **Fl. W., 4^s**	On point, south entrance.	56 12.7	131 55.3	5 100	11	SW on skeleton tower		28	Higher intensity beam up channel.	1968
3001.20	—LIGHT 2 **Fl. W., 2.5^s**	On south end of Neptune Island.	56 20.8	132 00.3	6 130	9	Red triangular daymark on square frame.		17	Higher intensity beam down channel. Red reflector.	1968
	EASTERN PASSAGE (Chart 8161)										
3001.30	*The Narrows Lighted Buoy 3* **Qk. Fl. W.**	In 29 feet					Black			Ra ref.	
3001.40	— LIGHT 5 **Fl. W., 4^s**	On north end of Channel Island.	56 22.2	132 10.2	6 120	10	SW on square frame		24	Higher intensity beam up channel.	1968
3001.50	—LIGHT 7 **Fl. W., 2.5^s**	On north side of Simonof Island.	56 29.7	132 22.1	6 130	8	SW on square frame		13		1968
	STIKINE STRAIT (Chart 8160)										
3002	STEAMER POINT LIGHT **Fl. W., 4^s**	On island, off point.	56 13.4	132 42.7	6 120	11	Red and white checkered square daymark on small house.		30	Obscured from 213° to 017°.	1911
3003	ROUND POINT LIGHT **Fl. W., 6^s**	On southeast point of Zarembo Island.	56 16.7	132 39.4	6 120	10	NR on small house		24	Obscured from 018° to 191°.	1940
	South Craig Point Daybeacon	On point, west side of strait.	56 23.4	132 37.3			NR on slatted tripod				
3004	POINT ANCON LIGHT **Fl. W., $6^s(1^s fl)$**	On point, west side of Woronkofski Island.	56 24.4	132 33.2	6 130	10	Red and white checkered square daymark on square frame.		20	Obscured from 214° to 014°.	1943–1965
	Woronkofski Point Daybeacon	On point, north end of Woronkofski Island.	56 26.4	132 28.8			Red and white checkered square daymark on square frame.				
3005	VANK ISLAND LIGHT **Fl. W., 4^s**	On south end of island.	56 26.9	132 36.0	6 140	10	NR on small house on wooden tower on pier.		24	Obscured from 110° to 264°.	1910–1927
3006	FIVE MILE ISLAND LIGHT **Fl. W., 4^s**	On north end of island.	56 28.3	132 30.7			Red and white checkered square daymark on small white house.		30	Obscured from 329° to 100°.	1956
	SUMNER STRAIT (Chart 8160)										
3007	POINT COLPOYS LIGHT **Fl. W., $6^s(1^s fl)$**	On point	56 20.2	133 11.8	6 130	9	NR on small house		15	Obscured from 302° to 114°.	1920
3008	*McArthur Reef Lighted Bell Buoy* **I. Qk. Fl. W.**	In 36 feet, on east end of reef.					Black and red horizontal bands.				
3008.50	*Mitchell Point Lighted Buoy 7* **Fl. W., 2.5^s**	In 30 feet, at southern entrance to narrow channel leading to westward of Level Islands.	56 25.5	133 10.6	110		Black				
3009	VICHNEFSKI ROCK LIGHT **Fl. W., 4^s**	On rock, northwest side of Zarembo Island.	56 26.3	133 00.8	6 150	11	Red and white checkered square daymark on small house on skeleton tower.		38	1¼ fathom rock 630 yards 214° from light.	1912–1935
3010	*Level Island Lighted Buoy 9* **Fl. G., 4^s**	In 36 feet, on southeasterly side of shoal off island.	56 27.1	133 02.5			Black			Ra ref.	

ALASKA

SEVENTEENTH DISTRICT

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SUMNER STRAIT										
	Low Point Daybeacon	On point 1 mile east of Low Point, north end of Zarembo Island.			....	....	NR on square frame				
5	STATION ISLAND LIGHT **Fl. W., 2.5^s**	On rock off east side of Station Island.	56 29.7	132 45.7	6 110	9	NR on square frame structure		19		1968
11	CRAIG POINT LIGHT **Fl. W., 2.5^s**	On shore	56 27.4	132 42.9	6 130	8	Red and white checkered square daymark on square frame.		11	Obscured from 301° to 096°.	
	TWO TREE ISLAND LIGHT **Fl. W., 6^s (1^{s}fl)**	On islet off north shore of Vank Island.	56 29.7	132 38.0	....	....	Red and white checkered square daymark on small house.		18		1937
	DRY STRAIT (Chart 8201)										
11	BLAQUIERE POINT LIGHT **Fl. W., 4^s**	At south entrance to Dry Strait.	56 35.0	132 32.5	5 120	9	NR on square frame		20		1964
13	— NORTH END LIGHT **Fl. W., 6^s (1^{s}fl)**	On west side of strait.	56 38.2	132 36.6	6 160	9	Red and white checkered square daymark on square frame.		17		1963
	DUNCAN CANAL (Chart 8201)										
	Foremost Rock Daybeacon	South of Woewodski Island.	56 30.2	133 00.3	....	....	Red and white checkered square daymark on pole.				
50	BUTTERWORTH ISLAND LIGHT **Fl. W., 2.5^s**	On west side of island.	56 32.2	133 04.3	6 110	10	Red and white checkered square daymark on frame structure.		21		1966
70	— LIGHT **Fl. W., 6^s(1^{s}fl)**	On west shore of Duncan Canal.	56 32.5	133 05.3	6 200	10	Red and white checkered square daymark on frame structure.		21		1966
	— Buoy 2	In 45 feet off 5 fathom shoal.			....	....	Red nun			Ra ref. Red reflector.	
	— Buoy 3	In 20 feet	56 34.5	133 05.3	....	....	Black can			Ra ref.	
	BEECHER PASS LIGHT **Fl. R., 4^s**	On northwest point of Woewodski Island.	56 34.8	133 04.4	....	....	NR on slatted tripod		12	Obscured from 252° to 022°.	1929
	— Buoy 4	In 60 feet, off west side of rock.	56 38.6	133 06.3	....	....	Red nun			Ra ref. Red reflector.	
	WRANGELL NARROWS (Chart 8170)										
	POINT ALEXANDER LIGHT **Fl. W., 4^s**	On reef, off point	56 30.6	132 56.9	6 170	10	NR on small house on skeleton structure.		23	Obscured from 162° to 293°.	1915
	MIDWAY ROCK LIGHT **Fl. R., 4^s**	On rock	56 31.8	132 57.8	....	....	TR on skeleton tower		14		1911–1912
.50	DECEMBER POINT LIGHT **Fl. W., 6^s (1^{s}fl)**	On point	56 32.9	132 57.6	6 140	9	NR on square frame		15		1966
	POINT LOCKWOOD LIGHT **Fl. G., 4^s**	On point	56 33.4	132 57.8	....	....	Red and white checkered square daymark on small house.		15	Obscured from 027° to 166° Higher intensity beam down Narrows.	1930
5	— CHANNEL LIGHT 1 **Fl. G., 2.5^s**	On highest part of Lockwood Rock.			....	....	SW on concrete pier		22		1928
7	— CHANNEL LIGHT 2 **Fl. R., 2.5^s**	In 22 feet, 30 feet outside channel limit.			....	....	TR on pile		15	Red reflector.	1910–1964
7.50	— *Channel Lighted Buoy 2A* **Fl. R., 2.5^s**	In 30 feet			....	....	Red			Ra ref.	
8	— *Channel Lighted Buoy 3.* **Fl. G., 2.5^s**	In 45 feet, on edge of shoal.			....	....	Black.				

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	WRANGELL NARROWS									
3019	— CHANNEL LIGHT 4 Fl. R., 2.5^{s}	In 18 feet			....	....	TR on brown cylindrical base	18		1911–1960
3020	— *Channel Lighted Buoy 3A* Fl. G., 4^{s}	In 33 feet, off easterly edge of shoal.			....	....	Black			
	— Tow Channel Buoy 1TC	In 11 feet, mark channel east of Battery Islets used by tows with a draft of 9 feet or less.			....	....	Black can		White reflector.	
	— Tow Channel Buoy 3TC				....	....	Black can		White reflector.	
	— Tow Channel Buoy 4TC				....	....	Red nun		Red reflector.	
3021	— CHANNEL LIGHT 5 Fl. G., 2.5^{s}	On shore			....	....	SW on skeleton tower	9		1945–1966
3022	— CHANNEL LIGHT 8 Fl. R., 2.5^{s}	In 12 feet			....	....	TR on dolphin	10		1949
3023	BURNT ISLAND RANGE FRONT LIGHT. F. W.	In 4 feet	56 36.4	132 58.5	....	...	KRW on dolphin	10	1,700 cp visible 4° each side of rangeline.	1952
3024	BURNT ISLAND RANGE REAR LIGHT. F. W.	In 12 feet, 390 yards 356°30′ from front light.			....	....	Red diamond daymark with white vertical stripe on dolphin.	26	4,400 cp visible 4° each side of rangeline.	1965
3025	— *Channel Lighted Buoy 9* Fl. G., 4^{s}	In 23 feet			....	....	Black			
3026	— CHANNEL LIGHT 10 Qk. Fl. R.	In 20 feet, 30 feet outside channel limit.			....	....	TR on steel pile structure	15		1952–1969
3027	— CHANNEL LIGHT 11 Fl. G., 2.5^{s}	On south end of Burnt Island ledge.			....	....	SW on pyramid	15		1911–1935
	— Channel Buoy 13	In 20 feet			....	....	Black can		Ra ref. Green reflector.	
	– Channel Buoy 13A	In 21 feet, 30 feet outside channel limit.	56 36.7	132 58.3	....	....	Black can		Ra ref.	
3028	— CHANNEL LIGHT 14 Fl. R., 2.5^{s}	In 13 feet, 30 feet outside channel limit.			....	....	TR on steel pile structure	15		1952
3029	BUSH TOP ISLAND RANGE FRONT LIGHT. Qk. Fl. W.	In 12 feet	56 37.9	132 57.0	....	....	KRW on steel pile structure	15	1,300 cp visible 4° each side of rangeline.	1954
3030	BUSH TOP ISLAND RANGE REAR LIGHT. F. W.	On island, 460 yards 029° from front light.			....	....	KRW on skeleton tower	28	1,700 cp visible 4° each side of rangeline.	1954
3031	— CHANNEL LIGHT 15 Fl. G., 2.5^{s}	In 25 feet			....	....	SW on dolphin	15		1943–1970
3032	— CHANNEL LIGHT 16 Fl. R., 2.5^{s}	In 12 feet, 30 feet outside channel limit.			....	....	TR on steel pile structure	15		1928–1953
3033	— CHANNEL LIGHT 17 Fl. G., 2.5^{s}	In 10 feet, off North Point.			....	....	SW on dolphin	15		1958–1970
3034	— CHANNEL LIGHT 18 Fl. R., 2.5^{s}	In 15 feet, 90 feet outside channel limit.			....	....	TR on white truncated concrete structure.	19		1951
3035	— CHANNEL LIGHT 19 Fl. G., 2.5^{s}	Off southeast end of Bush Top Island.			....	....	SW on square frame structure	20		1911–1967
3036	— CHANNEL LIGHT 21 Qk. Fl. G.	In 25 feet, 30 feet outside channel limit.			....	....	SW on dolphin	15		1952–1962
3038	BLIND POINT RANGE FRONT LIGHT 24. Qk. Fl. W.	In 25 feet, 40 feet outside channel limit.	56 38.6	132 55.3	....	....	KRW on dolphin	17	900 cp on rangeline with lower intensity elsewhere.	1952–1966
3039	BLIND POINT RANGE REAR LIGHT. F. W.	In 12 feet, 268 yards 050°18′ from front light.			....	....	KRW on steel pile structure	27	1,600 cp visible 4° each side of rangeline.	1954
3040	— CHANNEL LIGHT 25 Fl. G., 2.5^{s}	In 20 feet, 30 feet outside channel limit.			....	....	SW on steel pile structure	15		1952–1969
3041	— *Channel Lighted Buoy 26* Fl. R., 4^{s}	In 25 feet, 30 feet outside channel limit.				....	Red		Ra ref.	
3042	— CHANNEL LIGHT 27 Fl. G., 2.5^{s}	In 16 feet, 90 feet outside channel limit.			....	....	SW on dolphin	15		1911–1952
3043	— *Channel Lighted Buoy 28* Fl. R., 4^{s}	In 24 feet			....	....	Red		Ra ref.	

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	WRANGELL NARROWS								
	— *Channel Lighted Buoy 29* **Fl. G., 2.5^{s}**	In 21 feet, 15 feet outside channel limit.	....	....	Black			Ra ref.	
	— Tow Channel Buoy 5TC	In 9 feet, westerly of Light 25.	....	....	Black can			White reflector. Used by tows with a draft of 9 feet or less.	
	— Tow Channel Buoy 7TC	In 9 feet, marks south end of Vexation Point shoal.	....	....	Black can			White reflector. Used by tows with a draft of 9 feet or less.	
	— CHANNEL LIGHT 31 **Qk. Fl. G.**	In 18 feet	....	....	SW on concrete pier		21		1928
	— CHANNEL LIGHT 32 **Qk. Fl. R.**	In 18 feet, 60 feet outside channel limit.	....	....	TR on steel pile structure		15		1951
	— CHANNEL LIGHT 32A **Fl. R., 4^{s}**	In 12 feet, 30 feet outside channel limit.	....	....	TR on steel pile structure		15		1953
	— *Channel Lighted Buoy 33* **Fl. G., 4^{s}**	In 24 feet, 30 feet outside channel limit.	....	....	Black			Ra ref.	
	— CHANNEL LIGHT 34 **Fl. R., 2.5^{s}**	In 15 feet, 60 feet outside channel limit.	....	....	TR on steel pile structure		15		1951
0	— *Channel Lighted Buoy 36* **Fl. R., 4^{s}**	In 21 feet	....	....	Red			Ra ref.	
	— CHANNEL LIGHT 37 **Qk. Fl. G.**	At southeast end of Green Rocks ledge, bare at low water.	....	....	SW on skeleton tower on concrete pier.		21		1911–1930
	— CHANNEL LIGHT 38 **Fl. R., 2.5^{s}**	In 18 feet, 30 feet outside channel limit.	....	....	TR on dolphin		15		1954–1970
	— Channel Daybeacon 39	On rock at north end of Green Rocks.	....	....	SW on spindle on white pyramid.				
	— CHANNEL LIGHT 40 **Fl. R., 2.5^{s}**	In 6 feet, 90 feet outside channel limit.	....	....	TR on white concrete pier		21		1924–1950
	— *Channel Lighted Buoy 42* **Fl. R., 4^{s}**	In 25 feet	....	....	Red			Ra ref.	
	— CHANNEL LIGHT 43 **Qk. Fl. G.**	In 6 feet	....	....	SW on dolphin		18		1930–1965
	— CHANNEL LIGHT 44 **Fl. R., 2.5^{s}**	In 21 feet	....	....	TR on pile structure		15		1924–1953
	— *Channel Lighted Buoy 46* **Fl. R., 2.5^{s}**	In 22 feet	....	....	Red			Ra ref.	
	— CHANNEL LIGHT 47 **Fl. G., 2.5^{s}**	In 12 feet	....	....	SW on pile structure		15		1918–1954
	— CHANNEL LIGHT 48 **Fl. R., 2.5^{s}**	In 10 feet	....	....	TR on dolphin		15		1911–1942
	— CHANNEL LIGHT 49 **Qk. Fl. W.**	In 12 feet	....	....	SW on dolphin		12		1914–1947
	— CHANNEL LIGHT 50 **Fl. R., 2.5^{s}**	In 24 feet, 30 feet outside channel limit.	....	....	TR on dolphin		15		1954–1970
	MOUNTAIN POINT LIGHT **Fl. W., 6^{s}**	On point near shore line. 56 44.3 132 57.3	6 120	12	Red and white checkered square daymark on skeleton tower.		43	Obscured from 349° to 148°.	1944–1958
	— CHANNEL LIGHT 52 **Fl. W., 4^{s}**	In 26 feet, 90 feet outside channel limit, west of Blunt Point.	....	....	TR on dolphin		13	Higher intensity beam down Narrows.	1918–1970
	— *Channel Lighted Buoy 53* **Fl. G., 4^{s}**	In 25 feet	....	....	Black				
	PETERSBURG CREEK RANGE FRONT LIGHT. **F. W.**	In 12 feet 56 48.5 132 59.2	....	....	KRW on dolphin		10	1,600 cp visible 4° each side of rangeline.	1949
	PETERSBURG CREEK RANGE REAR LIGHT. **F. W.**	341 yards 353°10′ from front light.	....	....	KRW on dolphin		24	1,600 cp visible 4° each side of rangeline.	1949
7	— CHANNEL LIGHT 54 **Fl. R., 2.5^{s}**	In 20 feet, 30 feet outside channel limit.	....	....	TR on dolphin		15		1952–1970
8	— CHANNEL LIGHT 56 **Qk. Fl. R.**	In 22 feet, 30 feet outside channel limit.	....	....	TR on dolphin		15		1952–1966

(1)	(2) Name	(3) Location			(4) Nominal Range	(5) Geo-graphic	(6) Structure			(7)	
No.	Characteristic		Lat. N.	Long. W.	Intensity	Range		Ht. above ground	Ht. above water	Remarks	Year

ALASKA SEVENTEENTH DISTRICT

No.	Name / Characteristic	Location	Lat. N.	Long. W.	Nominal Range / Intensity	Geographic Range	Structure	Ht. above ground	Ht. above water	Remarks	Year
	WRANGELL NARROWS										
3069	— CHANNEL LIGHT 58 Fl. R., 2.5^{s}	In 25 feet, 30 feet outside channel limit.					TR on dolphin		15		1952–1967
3070	PETERSBURG BAR RANGE FRONT LIGHT. F. W.	In 7 feet	56 48.4	132 59.3			KRW on dolphin		13	3,100 cp visible 4° each side of rangeline.	1911–1949
3071	PETERSBURG BAR RANGE REAR LIGHT. F. W.	519 yards 235°25′ from front light.					KRW on slatted structure		30	4,400 cp visible 4° each side of rangeline.	1927–1961
3072	STANDARD OIL COMPANY PIER SOUTH LIGHT. F. R.	On south end of pier at Petersburg.	56 48.6	132 58.2					13	Private aid.	1956
3073	STANDARD OIL COMPANY PIER NORTH LIGHT. F. R.	On north end of pier							13	Private aid.	1956
3074	KAYLER-DAHL PIER SOUTH LIGHT. F. R.	On south end of pier.	56 48.8	132 57.7					18	Private aid.	1956
3075	KAYLER-DAHL PIER NORTH LIGHT. F. R.	On north end of pier							18	Private aid.	1956
3075.50	— *Channel Lighted Buoy 59* Fl. G., 2.5^{s}	In 20 feet					Black			Ra ref.	
3076	PETERSBURG PUBLIC DOCK SOUTH LIGHT. F. R.	On pier	56 48.9	132 57.5					14	Private aid.	1960
3077	PETERSBURG PUBLIC DOCK NORTH LIGHT. F. R.	On pier							14	Private aid.	1960
3078	— *Channel Lighted Buoy 60.* Fl. R., 2.5^{s}	In 20 feet					Red				
	— Channel Daybeacon 61	On south end of Prolewy Rocks, bare at low water.					SW on white concrete pier				
3079	— *Channel Lighted Bell Buoy 62* Fl. R., 4^{s}	In 37 feet					Red				
3080	— *North Entrance Lighted Bell Buoy 63.* Fl. W., 4^{s}	In 78 feet			100		Black				
	FREDERICK SOUND (Chart 8201)	Some buoys may be located outside of the wire dragged area.									
3081	SUKOI ISLETS LIGHT Fl. W., 4^{s}	On west side of most western islet.	56 53.8	132 56.5	6 110	10	NR on skeleton tower on concrete pier.		24	Obscured from 177° to 329°.	1912–1966
	Beacon Point Daybeacon						NR on tripod				
3082	*Thomas Bay Entrance Lighted Bell Buoy 2.* Fl. W., $6^{s}(1^{s}fl)$	In 40 feet	56 59.1	132 57.8			Red			Ra ref.	
	Thomas Bay Entrance Buoy 1	In 38 feet, on south point of reef, 1.7 miles southerly from Point Vandeput.					Black can			White reflector.	
3082.30	*Wood Point Reef Lighted Buoy 4* Fl. R., 4^{s}	In 48 feet, on northwest point of reef off Wood Point, in Thomas Bay.	56 59.9	132 57.6			Red				

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	FREDERICK SOUND	Some buoys may be located outside of the wire dragged area.							
	CAPE STRAIT LIGHT . . . . Fl. W., 6^{s}(1^{s}fl)	On cape 56 59. 9	133 05. 5	6 160	12	NR on small white house on skeleton structure.	45	Obscured from 311° to 116°.	1912
	GRAND POINT LIGHT . . . . Fl. W., 4^{s}	At entrance to Farragut Bay. 57 05. 5	133 11. 1	5 100	8	NR on small house	12	Obscured from 193° to 305°.	1927
	PORTAGE BAY LIGHT . . . . Fl. G., 4^{s}	On end of East Point. 57 00. 3	133 19. 3	. . . .	. . . .	SW on skeleton tower	16	Obscured from 201° to 329°. Red reflector.	1941
	West Point Daybeacon	On west side of entrance to Portage Bay.		. . . .	. . . .	Red triangular daymark on white tripod.			
	CAPE FANSHAW LIGHT . . . . Fl. W., 4^{s}	On point of cape 57 11. 1	133 34. 3	6 200	12	Red and white checkered diamond daymark on skeleton tower.	40	Obscured from 210° to 299°.	1912 – 1969
	STEPHENS PASSAGE (Chart 8201)								
	Bird Rock Daybeacon	On southwest side of Bird Rock. 57 12. 5	133 35. 3	. . . .	. . . .	NR on square frame			
	DUCK POINT LIGHT . . . . Fl. W., 6^{s}(1^{s}fl)	On rock off point, south end of Whitney Island. 57 12. 7	133 30. 9	6 140	9	NR on small house	17	Obscured from 140° to 257°.	1919
	BILL POINT LIGHT . . . . Fl. W., 4^{s}	On point, north end of Whitney Island. 57 15. 1	133 32. 5	6 140	8	NR on small house	12	Obscured from 264° to 338°.	1925
	Five Finger Light . . . . **Gp. Fl. W.,** 10^{s} 1^{s}fl., 1^{s}ec. 1^{s}fl., 7^{s}ec. 2 flashes. Resident Personnel.	On southeastern islet of the Five Finger Islands. 57 16. 3	133 37. 8	14 10,000	14	White concrete tower rising from center of building. 68	81	Higher intensity beam out Frederick Sound and up Stephens Passage. RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^{s}(3^{s}bl). Emergency light of reduced cp if main light is extinguished.	1902–1935
	(For continuation of Stephens Passage, see No. 3138)								
	SUMNER STRAIT (Chart 8201)								
	Five Fathom Shoal Buoy	In 52 feet, marks shoal southeast of The Eye Opener Light.		. . . .	. . . .	Red and black horizontal bands; nun.		Ra ref. Red reflector.	
0	THE EYE OPENER LIGHT . . . . . Fl. W., 2.5^{s}	On rock 56 23. 1	133 16. 4	7 300	10	Red and white checkered square daymark on small house, brown cylindrical base.	28		1910 – 1958
1	POINT BAKER LIGHT . . . . Fl. W., 6^{s}(1^{s}fl)	On end of unamed island. 56 21. 6	133 37. 0	6 170	9	NR on skeleton tower	20		1964
	Point Baker Anchorage Daybeacon .	On shore 56 21. 4	133 37. 1	. . . .	. . . .	NR on small house			
92	*Helm Rock Lighted Bell Buoy 6* . . Fl. W., 4^{s}	In 150 feet, 430 yards 002° from highest part of rock. 56 22. 2	133 38. 4	 200	. . . .	Red		Ra ref.	

ALASKA SEVENTEENTH DISTRIC

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	KEKU STRAIT (Chart 8272)										
3093	—LIGHT **Fl. W., 4^s**	On west side of entrance to strait.	56 34.1	133 43.6	5 100	8	NR on small white house				1936
	— Buoy 9	In 14 feet, on north end of flats, west side of strait.			....	....	Black can			White reflector.	
	—Daybeacon 2 to 54 (35)	Numbered from south to north; even numbers on starboard side of channel; odd numbers on port.			....	....	Odd numbered, SW on piles; even numbered, TR on piles.				
3094	SALT POINT LIGHT **Fl. W., 6^s(1^sfl)**	On southwesterly end of Salt Point.	56 50.8	133 51.8	6 130	8	NR on small house		13	Obscured from 168° to 259°.	1936
3095	*Kake Lighted Bell Buoy 2* **Fl. R., 6^s(1^sfl)**	In 42 feet, at outer end of reef.			....	....	Red				
	Kake Flats Buoy 1	In 70 feet, marks edge of shoal off Kake village.			....	....	Black can			White reflector.	
	Kake Harbor Daybeacon	On drying rock, off end of wharf.	56 58.5	133 56.5	....	....	White daymark on pile			Green reflector.	
3096	*Kake Harbor Lighted Buoy 3* **Fl. G., 4^s**	In 56 feet, off south east end of reef.	56 58.2	133 56.8	....	....	Black				
	Kake Cannery Flats Buoy 5	In 36 feet, marks edge of shoal off Kake Cannery.			....	....	Black can			White reflector.	
3097	KAKE HARBOR LIGHT **Fl. W., 4^s**	On rocks opposite Kake Cannery.	56 57.6	133 57.0	5 100	....	NR on square frame		16	Obscured from 300° to 097°.	1914–1967
	PORTAGE BAY (Chart 8201)										
3098	—LIGHT 2 **Fl. R., 4^s**	On rock awash	56 57.4	133 55.3	....	....	TR on pile		15		1963
	—Daybeacon 3	On rock awash	56 57.1	133 54.3	....	....	SW on pile				
	(For Frederick Sound, see No. 3132)										
3099	—LIGHT 5 **Fl. W., 2.5^s**	On rock awash	56 56.8	133 53.9	....	....	SW on pile		15	Higher intensity beam out Bay.	1963–1969
	SUMNER STRAIT (Chart 8201)										
3100.05	*Strait Island Lighted Bell Buoy 5* **Fl. W., 6^s(1^sfl)**	In 102 feet	56 22.4	133 41.9	 110	....	Black				
3100.11	WEST ROCK LIGHT **Fl. W., 2.5^s**	On rock	56 21.2	133 38.1	7 300	9	NR on skeleton tower		20		1964
	Port Protection Daybeacon	On rock awash	56 20.3	133 38.0	....	....	Red and white checkered square daymark on pile.				
3101	PORT PROTECTION LIGHT **Fl. W., 6^s(1^sfl)**	On northernmost island.	56 19.6	133 36.5	....	....	Red and white checkered square daymark on small house.		15	Obscured from 290° to 095°.	1949
3102	BEAUCLERC ISLAND LIGHT **Fl. W., 2.5^s**	On rock, east side of island.	56 15.4	133 51.0	6 150	10	Small white house		30	Obscured from 048° to 182°.	1911

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA									SEVENTEENTH DISTRICT	
	SUMNER STRAIT										
	Calder Rocks Lighted Whistle Buoy 4. **Fl. W., 4ˢ**	In 90 feet, off northwest end of 2 fathom shoal.	56 15.5	133 43.3	 190	....	Red			Ra ref.	
	Barrier Islands Lighted Bell Buoy 2. **Fl. W., 6ˢ(1ˢfl)**	In 102 feet, west of shoal off Barrier Islands.	56 12.6	133 42.0	 130	....	Red........................			Ra ref.	
	Amelius Island Shoal Lighted Buoy. **I. Qk. Fl. W.**	In 50 feet, southeasterly of Point Amelius.	56 10.2	133 49.3	....	....	Black and red horizontal bands..				
	SHAKAN BAY (Charts 8172, 8173)										
	—LIGHT .... **Fl. W., 4ˢ**	On north side of Station Inlet.	56 09.0	133 37.5	6 120	10	NR on small house; brown skeleton tower.		25	Obscured from 310° to 052°.	1912
	Hamilton Island Daybeacon	On islet 200 yards 136° from southwest point of island.			....	....	NR on square frame				
	Shakan Strait Daybeacon	On point on southeast shore of Hamilton island.			....	....	NR on slatted tripod				
	SUMNER STRAIT										
7	*Point St. Albans Reef Lighted Bell Buoy 1.* **Fl. W., 4ˢ**	In 90 feet, on east end of reef.	56 05.2	133 54.5	 200	....	Black........................				
3	FISHERMANS HARBOR OUTER LIGHT. **Fl. W., 4ˢ**	At westerly entrance of channel to anchorage.	55 58.3	133 47.9	5 100	9	Pile		21		1933–1967
9	FISHERMANS HARBOR INNER LIGHT. **Fl. G., 4ˢ**	In Fishermans Harbor.	55 58.0	133 47.6	....	....	NR on small house		17		1936
0	LEMON POINT ROCK LIGHT ..... **Fl. W., 6ˢ(1ˢfl)**	On rock awash at entrance to Port McArthur.	56 04.4	134 06.6	6 120	10	TR on small house on skeleton tower on pier.		26		1944
11	**CAPE DECISION LIGHT**......... **Fl. W., 5ˢ** Resident Personnel.	On south end of cape.	56 00.1	134 08.1	23 350,000	15	White square concrete building with square tower rising from center.	75	96	Obscured from 134° to 245°. Emergency light Fl. W., 2.5ˢof lower intensity if main light is extinguished. RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30ˢ(3ˢbl).	1929–1932
12	SPANISH ISLANDS LIGHT .... **Fl. W.‹ ,6ˢ (1ˢfl)**	On northernmost point of islands.	55 59.1	134 06.1	7 300	11	NR on skeleton tower		38	Obscured from 272° to 082°.	1912–1966
13 7	HELM POINT LIGHT .... **Fl. W., 6ˢ (1ˢfl)**	On southern end of Coronation Island.	55 49.6	134 16.1	6 160	18	NR on skeleton tower		140	Obscured from 067° to 205°.	1943–1967

ALASKA

SEVENTEENTH DISTRICT

CHATHAM STRAIT

(Chart 8252)

(1)	(2)	(3)		(4)	(5)	(6)		(7)	
No.	Name Characteristic	Location Lat. N.	Long. W.	Nominal Range Intensity	Geographic Range	Structure Ht. above ground	Ht. above water	Remarks	Year
3114	POINT CROWLEY LIGHT Fl. W., 4^{s}	On point, east side of south end of Chatham Strait. 56 07.2	134 15.4	5 100	12	NR on small house	45	Obscured from 170° to 343°.	1918
3115 159	CAPE OMMANEY LIGHT Fl. W., $6^{s}(1^{s}\text{fl})$	On Wooden Island 56 09.6	134 39.6	8 500	18	NR on skeleton tower	160	Obscured from 117° to 251°.	1920–1970
3116	PORT ALEXANDER LIGHT Fl. W., 4^{s}	On rocky point, south side of entrance to port. 56 14.4	134 38.9	5 100	14	NR on small house on skeleton tower.	68	Obscured from 347° to 061°.	1920–1929
	Port Alexander Entrance Obstruction Buoy.	In 22 feet, marks outer edge of rock shoal at entrance to harbor.		....	....	Red and black horizontal bands; nun.		Red reflector.	
3117	PORT ALEXANDER RANGE FRONT LIGHT. Qk. Fl. R.	Marks entrance to channel. 56 14.7	134 39.0	....	....	KRW on white skeleton tower on concrete pier.	14	250 cp on rangeline with lower intensity elsewhere.	1931–1968
3118	PORT ALEXANDER RANGE REAR LIGHT. E. Int. R., 6^{s}	65 yards 334° from front light.		....	....	KRW on white skeleton tower on concrete pier.	29	250 cp on range line with lower intensity elsewhere.	1931–1968
3119	POINT HARRIS LIGHT Fl. W., $6^{s}(1^{s}\text{fl})$	On north side of entrance to Port Malmsbury. 56 17.4	134 17.9	6 130	11	NR on skeleton tower	32	Obscured from 181° to 308°.	1947–1954
3120	PORT ARMSTRONG LIGHT Fl. W., $6^{s}(1^{s}\text{fl})$	On north side of entrance. 56 18.0	134 38.3	6 130	11	NR on small house	41	Obscured from 070° to 211°.	1912–1953
3121	PORT ARMSTRONG CHANNEL LIGHT. Fl. R., 4^{s}	On north side of inner part of narrow entrance channel.		 100	....	TR on small white house	15	Obscured from 056° to 232°.	1927–1958
3122	PORT WALTER LIGHT Fl. W., 4^{s}	On point, south side of entrance to Port Walter. 56 23.3	134 38.1	6 120	9	NR on small house	20	Obscured from 308° to 037°.	1914–1918
3123	INNER POINT LIGHT Fl. W., $6^{s}(1^{s}\text{fl})$	On north side of entrance to Big Port Walter. 56 23.0	134 41.3	....	....	TR on small white house	15	Obscured from 270° to 054°.	1917–1959
3124	TEBENKOF BAY LIGHT Fl. W., 4^{s}	On small unamed island in bay. 56 27.0	134 08.2	6 110	8	NR on small house	14	Obscured from 158° to 323°.	1930
	Tebenkof Bay Daybeacon	On rock awash, 1.7 miles 144° from Tebenkof Bay Light.		....	....	SW on post on pyramidal concrete pier.			
3126	WASHINGTON BAY LIGHT Fl. W., 4^{s}	On inner point, south side of entrance to bay. 56 43.0	134 23.2	6 120	11	NR on square frame			1919–1969
3127	KINGSMILL POINT LIGHT Fl. W., $6^{s}(1^{s}\text{fl})$	On point, east side of strait. 56 50.6	134 25.1	6 130	10	NR on small house		Obscured from 207° to 003°.	1915
	Yasha Island Buoy 2	In 78 feet, marks outer edge if 1¾ fathom shoal northwest of island.		....	....	Red nun		Red reflector.	
3128	POINT GARDNER LIGHT Fl. W., 4^{s}	On rock ¼ mile south of point. 57 00.6	134 36.8	8 400	13	NR on small house on skeleton tower.	65		1911–1932

(For continuation of Chatham Strait, see No. 3202)

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
FREDERICK SOUND (Chart 8252)							
SECURITY BAY LIGHT Fl. G., 4ˢ	At entrance to bay 56 52.4 134 22.3	....	....	NR on small house on skeleton tower.	32		1938
(For Keku Strait, see No. 3093)							
CORNWALLIS POINT LIGHT Fl. W., 4ˢ	On southwest part of point. 56 56.0 134 16.3	6 120	11	NR on small house	34	Obscured from 144° to 316°.	1929
POINT MACARTNEY LIGHT Fl. W., 6ˢ(1ˢfl)	On small islet off point. 57 01.5 134 03.4	6 110	10	NR on small house	25	Obscured from 200° to 329°.	1947
WEST PINTA ROCKS LIGHT Fl. W., 2.5ˢ	.... 57 05.2 134 00.9	6 110	11	NR on small house on tower	30		1932
East Pinta Rocks Buoy 1	In 72 feet, 2,600 yards 073° from West Pinta Rocks Light.	....	....	Black can		Ra ref. White reflector.	
DEEPWATER POINT LIGHT Fl. W., 4ˢ	At entrance to Woewodski Harbor. 57 10.3 134 14.1	5 100	9	NR on skeleton tower	17	Obscured from 180° to 288°.	1962
TURNABOUT ISLAND LIGHT Fl. W., 4ˢ	On islet north of Turnabout Island. 57 07.9 133 59.0	5 100	10	NR on small house	23	Obscured from 270° to 048°.	1912
PYBUS BAY (Chart 8218)							
GRAVE ISLAND LIGHT Fl. W., 4ˢ	On southeast side of island. 57 16.0 134 04.9	5 100	9	NR on small house	16	Obscured from 031° to 167°.	1935
ROUND ROCK LIGHT Fl. W., 6ˢ(1ˢfl)	On rock, off entrance to Pybus Bay. 57 15.6 133 56.1	6 130	12	Red and white checkered square daymark on square frame.	49		1924–1967
STEPHENS PASSAGE (Charts 8201, 8202)							
False Point Pybus Daybeacon	On small peninsula 1 mile southerly from point.	....	....	NR on skeleton structure			
McDonald Rock Buoy	In 48 feet, on rock, east of Point Gambier.	....	....	Red and black horizontal bands; nun.		Red reflector.	
POINT GAMBIER LIGHT Fl. W., 4ˢ	On point, north side of entrance to Gambier Bay. 57 26.1 133 50.3	5 100	11	NR on small house	38	Obscured from 083° to 217°.	1916
Gambier Bay Buoy 1	In 42 feet	....	....	Black can		White reflector.	
GAMBIER BAY ENTRANCE LIGHT Fl. W., 6ˢ(1ˢfl)	On north side of channel. 57 27.9 133 55.2	....	....	NR on skeleton tower	16		1919–1969
WINDHAM BAY ENTRANCE LIGHT Fl. W., 6ˢ(1ˢfl)	On southernmost small islet, east side of Point Windham. 57 33.7 133 32.6	....	....	NR on small house	35		1927
POINT HUGH LIGHT Fl. W., 6ˢ(1ˢfl)	On point, 2.9 miles north of Point Hugh. 57 37.2 133 48.4	6 130	11	NR on skeleton tower	34	Obscured from 351½° to 173°.	1913–1967

452-223 O - 72 - 17

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA									SEVENTEENTH DISTRICT	
	STEPHENS PASSAGE										
3142	WOOD SPIT LIGHT Fl. W., 2.5^{s}	On boulder patch bare at low water in Holkham Bay.	57 44.3	133 34.7	6 130	10	TR on tower on concrete base		27		1931–1968
	Holkham Bay Range Front Daybeacon.	On Harbor Island	57 46.1	133 38.5			White rectangular daymark with red vertical stripe on wood frame.				
	Holkham Bay Range Rear Daybeacon.	On shore, 48 yards 215° from front daybeacon.					White rectangular daymark with red vertical stripe on wood frame.				
	Holkham Bay Buoy 2	In 40 feet	57 46.7	133 37.3			Red nun			Red reflector. Maintained from May 1 to Oct. 15.	
3143	MIDWAY ISLANDS LIGHT Fl. W., 4^{s}	On summit of south island.	57 50.2	133 48.7	5 100	15	NR on skeleton tower		83	Obscured from 162° to 210°.	1910–1966
3144	GRAVE POINT LIGHT Fl. W., 2.5^{s}	On point, north side of entrance to Taku Harbor.	58 03.7	134 03.0	6 110	12	NR on square frame		45	Obscured from 156° to 280°.	1913–1969
3145	GRAND ISLAND LIGHT Fl. G., $6^{s}(1^{s}fl)$	On northeast point of island.	58 06.0	134 06.3	6 140	12	NR on square frame		47	Obscured from 335° to 116°.	1944–1966
3146	POINT ARDEN LIGHT Fl. W., 4^{s}	On northeast end of point.	58 09.6	134 10.6	5 100	13	NR on square frame		50	Obscured from 332° to 118°.	1910–1966
	GASTINEAU CHANNEL (Chart 8235)										
3148	MARMION ISLAND LIGHT Fl. W., $6^{s}(1^{s}fl)$	On northeast end of point.	58 11.9	134 15.3			NR on square frame		50	Obscured from 022° to 147°.	1915–1967
3149	SHEEP CREEK LIGHT Fl. R., 4^{s}	In 12 feet, on outer edge of shoal, off mouth of creek.	58 15.5	134 19.7	100		TR on small house on square pile structure.		12		1915–1938
3150	JUNEAU ISLE LIGHT Fl. W., 2.5^{s}	On northeast end of island.	56 16.6	134 23.0	6 130	8	NR on skeleton tower		15		1959
3151	DOUGLAS BOAT HARBOR LIGHT. Fl. G., 4^{s}	On northwest end of breakwater.	56 16.6	134 23.1			NR on skeleton tower		17		1962
3152	*Rock Dump Lighted Buoy 2* Qk. Fl. W.	In 70 feet					Red			Ra ref.	
3153	LAWSON CREEK BAR LIGHT 3 Fl G., 2.5^{s}	On east edge of spit off Douglas Island.	58 17.3	134 24.3			SW on dolphin		22	Higher intensity beam down channel.	1941–1945 1947–1971
3154	—LIGHT 4 Qk. Fl. R.	In 36 feet	58 17.8	134 25.3			TR on dolphin		15		
3155	STANDARD OIL COMPANY PIER EAST LIGHT. F. R.	On outer end of pier	58 17.9	134 24.8					25	Private aid.	1958
3156	STANDARD OIL COMPANY PIER WEST LIGHT. F. R.	On outer end of pier							25	Private aid.	1958
3158	JUNEAU BOAT BASIN NORTH ENTRANCE LIGHT. Fl. G., 4^{s}	On end of breakwater north side of entrance to boat harbor.					Dolphin		15		1940–1969
3159	JUNEAU BOAT BASIN LIGHT Fl. W., 4^{s}	On outer end of breakwater.	58 18.5	134 26.2	5 100	10	NR on skeleton tower		31		1963

	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	GASTINEAU CHANNEL										
	MENDENHALL BAR CHANNEL										
	—LIGHT 5 **Fl. G., $6^s(1^s fl)$**	On west side of channel.	58 19.1	134 27.3			SW on dolphin		15		1960–1970
	—LIGHT 7 **Fl. G., 4^s**	On west side of channel.					SW on dolphin		15		1960–1965
	—Buoys (about 8)	Mark right side of channel from Salmon Creek to Daybeacon 14.					Red oil drums			Red reflectors. Maintained from Mar. 1 to Dec. 1.	
	—Daybeacon 14	On north side of channel.					TR on dolphin				
	—Daybeacon 15	On south side of channel.					SW on dolphin				
	—Daybeacon 17	On south side of channel.					SW on dolphin				
	—Daybeacon 18	On north side of channel.					TR on dolphin				
	—Daybeacon 19	On south side of channel.					SW on dolphin				
	—Daybeacon 20	On north side of channel.					TR on dolphin				
	—LIGHT 21 **Fl. G., 4^s**	On east side of channel.					SW on dolphin		15		1960
	STEPHENS PASSAGE	Some buoys may be located outside of the wire dragged area.									
	(Charts 8235, 8302)										
	POINT HILDA LIGHT **Fl. W., $6^s(1^s fl)$**	On south side of Douglas Island.	58 13.1	134 30.3	6 120	10	NR on square frame structure		20	Obscured from 093° to 286°.	1943–1967
	Inner Point Daybeacon	On point, southwest shore, of Douglas Island.					NR on skeleton tower				
	MIDDLE POINT LIGHT **Fl. W., 4^s**	On point	58 14.9	134 37.6	5 100	10	NR on skeleton tower				1964
	GEORGE ROCK LIGHT **Fl. W., $6^s(1^s fl)$**	On rock, awash at high water.	58 18.9	134 41.9	6 140	9	NR on skeleton tower		17		1961
	Gibby Rock Daybeacon	On rock	58 19.6	134 41.2			Red and white checkered square daymark on pile.				
	JUNEAU AIRPORT AERO LIGHT **Fl. W., 5^s**		58 21.6	134 34.9						Obscured from 051° to 046°. Maintained by Federal Aviation Agency.	
	MENDENHALL PENINSULA AERO LIGHT. **Alt. Fl. W. & R., 10^s**		58 21.5	134 38.2					215	Obscured from 107° to 041° and 066° to 098°. Maintained by Federal Aviation Agency.	
20	INDIAN POINT FLOAT LIGHT **F. R.**	In 9 feet	58 22.6	134 41.9			Pile		14	Private aid.	1968
30	INDIAN POINT PIER LIGHT **F. R.**	In 12 feet					Pile		14	Private aid.	1968
	PORTLAND ISLAND LIGHT **Fl. W., 2.5^s**	At north end of reef	58 21.2	134 45.4	6 130	10	NR on pile		20	Obscured from 328° to 338°.	1943–1965
	Strauss Rock Buoy	In 48 feet					Black and red horizontal bands; can.			White reflector.	
	(For Saginaw Channel, see No. 3197)										

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	LYNN CANAL										
	FAVORITE CHANNEL (Chart 8302)	Some buoys may be located outside of the wire dragged area.									
3181	SHELTER ISLAND LIGHT **Fl. W., 4^s**	On east side of south end of island.	58 22.4	134 48.3	6 200	9	NR on square frame		19	Obscured from 020° to 158°.	1910–1968
	Point Stephens Rock Buoy 2	In 24 feet, marks rock with 2 feet over it.			....	....	Red nun.			Red reflector.	
3182	TEE HARBOR LIGHT **Fl. W., 6^s (1^sfl)**	On point, north side of entrance.	58 25.7	134 45.9	6 130	11	NR on skeleton tower		33	Obscured from 161° to 325°	1915–1954
3183	*Poundstone Rock Lighted Bell Buoy 1.* **Fl. W., 4^s**	In 40 feet, on northwest side of rock.			 100	....	Black.				
3184	**Sentinel Island Light** **Fl. W., 5^s**	On island	58 32.8	134 55.3	17 30,000	15	White square tower on fog signal building.	51	86	Emergency light of lower intensity if main light is extinguished. HORN, diaphragm; 1 blast ev 30^s (3^sbl).	1902–1935
	LYNN CANAL (Charts 8302, 8303)	Some buoys may be located outside of the wire dragged area.									
3185	LITTLE ISLAND LIGHT **Fl. W., 6^s (1^sfl)**	On island	58 32.4	135 02.7	7 300	13	NR on small house		50		1915
3186	VANDERBILT REEF LIGHT **Fl. W., 2.5^s**	On highest part of reef.	58 35.5	135 01.0	6 110	11	NR on small house on skeleton structure on concrete pier.		36		1921
3187	*Sherman Rock Lighted Whistle Buoy 2.* **Fl. W., 4^s**	In 75 feet	58 51.0	135 09.7	 100	....	Red.				
3188	**Eldred Rock Light** **Alt. Fl. W. & R., 20^s** 0.3^sWfl., 9.7^sec. 0.3^sRfl., 9.7^sec. Resident Personnel.	On islet in northern part of canal.	58 58.3	135 13.2	20W 110,000 20R 90,000	15	White octagonal tower on building.	56	91	RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev 30^s (3^sbl). Emergency light F.W., of lower intensity if main light is extinguished	1905
3188.50	TALSANI ISLAND LIGHT **Fl. W., 6^s(1^sfl)**	On low flat northeast point of most northerly Chilkat Island, entrance to Chilkoot inlet.	59 04.7	135 16.3	6 160	9	NR on square frame		16	Obscured from 347° to 133.	1968
3189	LETNIKOF COVE LIGHT **Fl. R., 4^s**	On point at entrance to cove, Chilkat Inlet.	59 10.4	135 23.9	....	....	NR on small house		25	Obscured from 256° to 358°.	1928
	CHILKOOT INLET	Some buoys may be located outside of the wire dragged area.									
3190	*Katzehin River Flats Lighted Bell Buoy 4* **Fl. R., 6^s(1^sfl)**	In 78 feet, on west side of flats.			....	....	Red				

ALASKA

SEVENTEENTH DISTRICT

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
LYNN CANAL										
CHILKOOT INLET	Some buoys may be located outside of the wire dragged area.									
BATTERY POINT LIGHT .... Fl. W., 4^s	On point west side of inlet.	59 12.6	135 21.8	5 100	13	NR on square frame		60	Obscured from 343° to 157°.	1906–1966
HAINES BREAKWATER LIGHT ... Fl. R., 2.5	On south end of breakwater.	59 14.0	135 26.3	....	....	TR on skeleton tower		19		1959–1962
Nukdik Point Buoy 1	In 38 feet, off Nukdik Point.			....	....	Black can			White reflector.	
INDIAN ROCK LIGHT .... Fl. W., 6^s (1^sfl)	On rock	59 16.4	135 23.9	7 300	10	NR on pile structure		26		1968
U. S. ARMY DOCK EAST LIGHT .. F.G.	On east end of dock ..	59 16.8	135 27.0	....	....	Dock		8	Maintained by U. S. Army.	1961
U. S. ARMY DOCK WEST LIGHT.. F.G.	On west end of dock ..			....	....	Dock		8	Maintained by U. S. Army.	1961
SKAGWAY BREAKWATER LIGHT Fl. W., 4^s	On northwest end of breakwater.	59 26.9	135 19.2	....	....	TR on skeleton tower		19		1959
TAIYA INLET LIGHT .... Fl. W., 2.5^s	....	59 26.8	135 21.6	6 200	9	SW on tower		20		1971
SAGINAW CHANNEL	Some buoys may be located outside of the wire dragged area.									
(Chart 8302)										
FAVORITE REEF LIGHT .... Fl. W., 6^s (1^sfl)	On southern part of reef, bare at low water.	58 22.8	134 51.6	6 130	11	NR on skeleton structure on concrete pier.		33		1921
Faust Rock Lighted Bell Buoy..... I. Qk. Fl. W.	In 36 feet, on north side of rock.	58 25.1	134 55.6	....	....	Red and black horizontal bands..			Ra ref.	
Point Retreat Light .... Alt. Fl. W. & R., 10^s 0.1^sWfl., 9.5^sec. 0.1^sRfl., 9.5^sec. Resident Personnel.	On point	58 24.7	134 57.2	23W 400,000 20R 90,000	13	White square concrete tower on building.	25	63	RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. DIAPHONE: 2 blasts ev 30^s (2^s bl-2^s si-2^s bl-24^s si). Emergency light of lower intensity if main light is extinguished.	1904–1923
LYNN CANAL										
False Point Retreat Daybeacon ...	2.6 miles southward of Point Retreat Light.			....	....	NR on square frame				
NAKED ISLAND LIGHT .... Fl. W., 6^s(1^sfl)	On highest part of island.	58 15.4	134 56.7	8 450	12	NR on square frame		40		1915–1966
CLEAR POINT LIGHT .... Fl. W., 2.5^s	On point, north side of entrance to Funter Bay.	58 14.6	134 54.9	....	....	NR on pedestal on house			Obscured from 115° to 238°.	1915
Curlew Reef Buoy 1	In 45 feet, southeast of reef, Funter Bay.			....	....	Black can			White reflector.	
(For Icy Strait, see No. 3213.11) (For Chatham Strait southward, see No. 3211)										

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CHATHAM STRAIT (Chart 8252)										
3202	WARM SPRING BAY LIGHT **Fl. W., 4^{s}**	On south side of entrance to bay.	57 04.8	134 46.5	5 100	10	NR on small house		27	Obscured from 311° to 102°.	1917–1930
	HOOD BAY (Chart 8247)										
3203	*— Entrance Lighted Buoy 2* **Fl. W., 6^{s} (1^{s} fl)**	In 108 feet, 150 yards north of rock.			130		Red				
	Sand Island Reef Buoy 1	In 42 feet					Black can			White reflector.	
	— Buoy 3	In 66 feet					Black can			White reflector.	
	KILLISNOO HARBOR										
	Lone Rock Daybeacon 2	On rock	57 27.9	134 33.4			TR on pole				
3205	— LIGHT **Fl. W., 4^{s}**	On rock off northeast point of Killisnoo Island.	57 28.3	134 34.0	6 200	9	NR on small house on skeleton structure on concrete pier.		16		1902–1920
	Killisnoo Island Reef Buoy 2	In 48 feet, marks reef off north side of west end of Killisnoo Island.					Red nun.			Red reflector.	
	(For Peril Strait, see No. 3334)										
	CHATHAM STRAIT										
3206	*Morris Reef Lighted Bell Buoy 1* **Fl. W., 4^{s}**	In 69 feet south of reef, off Point Hayes, east entrance to Peril Strait.			100		Black.				
3207	DANGER POINT LIGHT **Fl. W., 6^{s} (1^{s}fl)**	North end of reef, west side of entrance to Kootznahoo Inlet.	57 30.9	134 36.3	6	11	NR on skeleton tower on concrete pier.		30		1918–1954
	KOOTZNAHOO INLET										
	— Buoy 2	In 30 feet, marks shoal.	57 30.0	134 34.0			Red nun			Red reflector.	
3207.11	VILLAGE ROCK LIGHT **Fl. R., 4^{s}**	On rock	57 30.3	134 34.8			TR on pile structure		11		1964
	— Daybeacon	On shore	57 30.1	134 34.6			TR on pole				
	TENAKEE INLET										
3208	SOUTH PASSAGE POINT LIGHT **Fl. W., 4^{s}**	On island off point	57 45.8	134 56.2	6 200	13	NR on square frame		50	Obscured from 325° to 088°.	1911–1968
	— Rock Buoy	In 48 feet, 250 yards 094° from the rock which it marks.					Black and red horizontal bands; can.			Ra ref. White reflector.	
	— Daybeacon	On rock awash off north shore of inlet, 2 miles east of Tenakee Springs.					Red and white checkered square daymark on pile.				
3209	— LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On islet east of Tenakee Springs.	57 46.5	135 11.8	6 130	11	NR on small house		30		1915–1938
3210	TENAKEE REEF LIGHT **Fl. W., 4^{s}**	On reef awash at highest tides.	57 46.2	135 13.5	5 100	10	NR on small house on skeleton tower.		23		1924

	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA						SEVENTEENTH DISTRICT				
	CHATHAM STRAIT										
	TENAKEE INLET										
	Tenakee Reef Daybeacon	On inner end of reef, off Tenakee Springs 0.8 mile southwest.			....	....	NR on pile				
	CHATHAM STRAIT (Chart 8202)										
	POINT AUGUSTA LIGHT Fl. W., 4^{s}	On point	58 02.3	134 56.8	....	....	NR on square frame		45	Obscured from 328° to 135°.	1915–1968
	HAWK INLET										
	Hawk Point Buoy 1	In 51 feet, off south edge of shoal, in Hawk Inlet.			....	....	Black can			White reflector.	
	Point Marsden Fish Boundary Buoy	In 180 feet			....	....	Orange and white horizontal bands.			Private aid maintained from June 15 to Oct. 1.	
	— *Lighted Buoy 3* Fl. W., 4^{s}	In 33 feet, at east end of shoal.	58 05.6	134 46.5	....	....	Black.				
	— EAST SHOAL LIGHT Fl. R., 4^{s}	In 7 feet, on point of shoal, east side of channel.	58 06.2	134 46.2	....	....	TR on dolphin		20		1915–1964
	(For Lynn Canal, see No. 3201)										
	ICY STRAIT (Charts 8302, 8304)										
1	HANUS REEF LIGHT Fl. W., 2.5	At entrance to Icy Strait.	58 07.9	134 59.8	....	....	NR on skeleton tower on concrete pier.		25		1943
	ROCKY ISLAND LIGHT Fl. W., 4^{s}	On island, off Point Couverden.	58 10.7	135 03.0	5 100	12	NR on square frame		43		1910–1966
	SWANSON HARBOR ENTRANCE LIGHT. Fl. R., 6^{s}(1^{s}fl)	On southwesterly side of Couverden Island.	58 11.6	135 04.6	....	....	NR on square frame		21	Obscured from 144° to 299°.	1947–1969
	SISTERS ISLAND AERO LIGHT Alt. Fl. W. & R., 10^{s}	On south end of larger of The Sisters Islands.	58 10.4	135 15.4	....	....	....		55	Obscured from 162½° to 192½° and at various sectors by small islands from 333° to 030°. Maintained by Federal Aviation Agency.	1964
	SPASSKI ISLAND LIGHT Fl. W., 6^{s} (1^{s}fl)	On north shore of north part of island.	58 07.9	135 16.1	6 130	11	NR on small house		30	Obscured from 315° to 088°.	1925
	INNER POINT SOPHIA LIGHT Fl. W., 6^{s} (1^{s}fl)	On point, east side of Port Frederick.	58 07.9	135 27.8	7 300	10	NR on skeleton tower		26	Obscured from 245° to 357°.	1914–1968
50	*Pinta Rock Lighted Bell Buoy 2* Fl. R., 4^{s}	In 60 feet.	58 10.0	135 27.1	....	....	Red.				
	Pleasant Island Reef Lighted Bell Buoy 1. Fl. W., 2.5^{s}	In 48 feet, on south side of reef.	58 18.3	135 39.2	....	....	Black.				
	POINT ADOLPHUS LIGHT Fl. W., 4^{s}	On point	58 17.2	135 46.9	6 130	10	NR on small house		20	Obscured from 322° to 102°.	1929
	ICY PASSAGE LIGHT Fl. W., 6^{s}(1^{s}fl)	Marks reef on north side of Pleasant Island.	58 23.2	135 37.6	5 100	10	NR on skeleton tower		22		1931–1969

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ICY STRAIT									
3225	*Gustavus Lighted Buoy 1* **Fl. G., 4^s**	In 65 feet, marks entrance to Salmon River. 58 23.4	135 44.6	....	....	Black			Ra ref.	
3226	GUSTAVUS AERO LIGHT **Alt. Fl. W. & G., 10^s**	.... 58 25.4	135 42.1	....	....	....		89	Maintained by Federal Aviation Agency.	
	Ancon Rock Buoy 2	In 60 feet 58 22.4	135 55.6	....	....	Red nun			Red reflector.	
3227	LEMESURIER ISLAND LIGHT **Fl. W., $6^s(1^s fl)$**	On northeast point of Island. 58 19.2	136 02.3	....	....	NR on small house		42	Obscured from 292° to 086°.	1918
3228	*South Inian Pass Rock Lighted Bell Buoy 2.* **Fl. W., 4^s**	In 66 feet, close to north side of rock in eastern approach to pass. 58 13.9	136 15.3	 400	....	Red				
	GLACIER BAY									
	Rush Point Shoal Buoy 1	In 60 feet 58 28.2	136 03.3	....	....	Black can			Ra ref. Maintained from May 15 to Oct. 1.	
	CROSS SOUND (Chart 8304)									
3229	POINT LAVINIA LIGHT **Fl. W., $6^s(1^s fl)$**	.... 58 13.4	136 21.2	6 130	13	NR on small house		60	Obscured from 278° to 073°.	1950
3230	GEORGE ISLAND LIGHT **Fl. R., $6^s(1^s fl)$**	On islet off north side of island. 58 12.7	136 22.8	....	....	NR on small house		48	Obscured from 019° to 048°.	1928
3231	NORTH INIAN PASS LIGHT **Fl. W., 4^s**	On northwest point of Inian Islands. 58 16.3	136 24.0	5 100	13	NR on small house on square frame.		64	Obscured from 260° to 051°.	1918–1967
3232 166	**CAPE SPENCER LIGHT** **Fl. W., 7.5^s** Resident Personnel.	On small islet of cape entrance to cross Sound. 58 11.9	136 38.3	24 500,000	16	White square concrete tower on rectangular concrete building.	25	105	Emergency light F. W., of lower intensity if main light is extinguished. RADIOBEACON: Antenna at light tower. See p. XVIII for method of operation. HORN, diaphragm; 1 blast ev $30^s(3^s bl)$.	1913–1925
	Dicks Arm Entrance Buoy 2	In 20 feet, 1,400 yards 315° from Cape Spencer Light.		....	....	Red nun			Red reflector.	
	(For Seacoast, see No. 166).									
	PORT ALTHORP									
3233	ELFIN COVE LIGHT **Fl. R., 4^s**	On shore, at entrance to cove. 51 11.7	136 21.0	....	....	NR on small house		48	Obscured from 202° to 096°.	1933–1938
3233.50	ELFIN COVE OUTER LIGHT **Fl. W., 4^s**	On unnamed islet 58 11.9	136 21.0	5 100	9	NR on square frame		20		1968
	Elfin Cove Daybeacon 1	In 6 feet		....	....	SW on pile				
	Elfin Cove Daybeacon 3	....		....	....	SW on pile				
	Elfin Cove Daybeacon 4	....		....	....	TR on pile				
	Elfin Cove Daybeacon 5	In 6 feet		....	....	SW on pile				
3234	ALTHROP ROCK LIGHT **Fl. W., $6^s(1^s fl)$**	On gighest northeasternmost rock of group. 58 10.0	136 21.5	....	....	SW on small house		18		1920
3235	THREE HILL ISLAND LIGHT **Fl. W., 4^s**	Off southerly end of island 58 09.2	136 22.9	5 100	15	SW on square frame		80	Obscured from 115½° to 261½°.	1921–1966

(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
ALASKA								SEVENTEENTH DISTRICT	
CROSS SOUND									
LISIANSKI INLET (Chart 8260)									
— LIGHT **Fl. W., 6^{s} (1^{s}fl))**	On west side of north entrance to inlet. 58 05.9	136 27.9	6 130	14	NR on small house		65	Obscured from 331° to 127°.	1937
Column Point Bell Buoy 1	In 62 feet				Black			White reflector.	
MITE HEAD LIGHT **Fl. W., 4^{s}**	On west side of inlet. 58 04.2	136 25.8	5 100	13	NR on small house		55	Obscured from 312° to 146°.	1947
— Daybeacon	On rock on west side of inlets. 58 02.1	136 21.8			TR on pole				
NOSE HEAD LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On east side of inlet. 58 01.7	136 19.9	6 130	12	NR on small house		50	Obscured from 136° to 320°.	1947
ROCK POINT LIGHT **Fl. W., 4^{s}**	On rock awash, at south side of junction of Lisianski Strait and Lisianski Inlet. 58 00.2	136 21.1	5 100	9	NR on pile		15		1929–1961
PELICAN ENTRANCE LIGHT **Fl. W., 4^{s}**	Marks rocks at entrance to Pelican. 57 57.3	136 13.6	5 100	10	TR on skeleton tower		20		1956
NICHOLS BAY (Chart 8145)									
— Entrance Daybeacon	On east side of entrance to Nichols Bay. 54 42.1	132 05.3			NR on frame				
CORDOVA BAY (Chart 8102)									
POINT MARSH LIGHT **Fl. W., 4^{s}**	On small islet southeast of Point Marsh. 54 42.8	132 17.6	6 110	13	Red and white checkered square daymark on small house.		66	Obscured from 127½° to 265°.	1940
CAPE MUZON LIGHT **Fl. W., 6^{s} (1^{s}fl)**	West side of entrance to Cordova Bay. 54 39.9	132 41.4	7 350	14	NR on small house		75	Obscured from 090½° to 285½°.	1931
Eureka Pass Daybeacon	On south end of Easternmost Barrier Islands at entrance to Eureka Channel. 54 46.9	132 23.2			SW on pole				
Center Island Reef Daybeacon	On rocks awash in middle of Eureka Channel.				Red and white checkered square daymark on pile.				
Guide Rocks Daybeacon	On northeasterly of two rocks awash, north end of Eureka Channel.				Red and white checkered square daymark on pile.				
ROUND ISLANDS LIGHT **Fl. W., 2.5^{s}**	On west shore of westernmost island. 54 46.7	132 30.4	6 180	13	NR on small house		56	Red from 327° to 346°. Obscured from 149½° to 327°.	1923–1940
Wallace Rock Buoy 2	In 53 feet, 200 yards 330° from shoalest part of rock in approach to Hunter Bay. 54 51.1	132 26.9			Red nun			Red reflector.	

ALASKA

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	CORDOVA BAY										
3244	MELLEN ROCK LIGHT Fl. W., 4^s	On rock, north end of Cordova Bay.	55 01.6	132 39.9	5 100	11	NR on skeleton structure		32		1912–1970
	HETTA INLET (Chart 8147)										
3245.50	EEK POINT LIGHT Fl. W., 2.5^s (For Tlevak Strait, see No. 3248)	On shore	55 08.3	132 39.9	7 250	9	NR on square frame		19	Obscured from 102½° to 238°.	1968
	SUKKWAN STRAIT (Charts 8147, 8153)										
	Hydaburg Buoy 2	In 24 feet, marks shoal and rock awash.	55 11.7	132 49.0			Red nun			Red reflector.	
	— Midchannel Buoy	In 48 feet, marks a 2½ fathom shoal.					Black and red horizontal bands; can.			White reflector.	
	Hydaburg Daybeacon	In 6 feet, 950 yards 68° from Sukkwan Narrows Light.					Red and white checkered square daymark on dolphin.				
	Sukkwan Narrows Buoy 1	In 24 feet, at entrance to Narrows.					Black can			White reflector.	
	Sukkwan Narrows Buoy 4	In 18 feet, at entrance to Narrows.					Red nun			Red reflector.	
3246	SUKKWAN NARROWS LIGHT Fl. W., 4^s	On point on southeast side of narrows.	55 12.1	132 50.4	5 100	9	White square daymark on small house.		16	Obscured from 252° to 019°. Green reflector.	1919
	South Passage Buoy 3	In 24 feet, marks 1¼ fathom shoal.					Black can			White reflector.	
	Scrag Islands Ledge Buoy 5	In 30 feet, marks rocky shoal off Scrag Islands.					Black can			White reflector.	
3247	GOAT ISLAND LIGHT Fl. W., 4^s	On south end of island	55 10.2	132 53.5			TR on small house		21	Obscured from 093° to 261°.	1921–1925
	Turn Rock Daybeacon	On rock awash at highest tides.					Red and white checkered square daymark on pipe on concrete pier.				
	TLEVAK STRAIT (Charts 8147, 8148, 8151)										
3248	— LIGHT Fl. W., 6^s (1^sfl)	On unnamed island near Shoe Rock, off north end of Long Island.	54 57.1	132 44.6	6 130	10	NR on small house		20	Obscured from 317° to 115°.	1929
	— Buoy 1	In 44 feet, on north side of shoal.					Black can			White reflector.	
3250	VIEW COVE ENTRANCE LIGHT Fl. W., 4^s	On rock awash 0.5 mile southeast of Reef Point.	55 03.2	132 57.8	6 110	11	NR on skeleton tower		35		1929
3252	LIVELY ISLANDS LIGHT Fl. W., 6^s (1^sfl)	On west side of southernmost island.	55 13.7	133 05.0	6 130	9	NR on small house		18	Obscured from 156° to 334°.	1943–1960
3253	BLOCK ISLAND LIGHT Fl. W., 4^s	On southwest side of island.	55 15.8	133 06.9	5 100	10	NR on small house		22	Obscured from 164° to 284°.	1923

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
TLEVAK STRAIT											
Tlevak Narrows Buoy 4	In 36 feet, on south side of submerged rock.			....		....	Red nun			Red reflector.	
MEARES PASSAGE (Chart 8151)											
MEARES ISLAND LIGHT **Fl. W., 6^s**	On north side of island	55 16.4	133 10.5	6	120	9	Red and white checkered square daymark on small house.		15	Obscured from 294° to 103°.	1943
DIVER ISLANDS LIGHT **Fl. W., 4^s**	On west side of island.	55 10.7	133 15.8	7	250	17	NR on small house		125	Obscured from 202½° to 005°.	1950
BUCARELLI BAY (Charts 8158, 8155)											
CAPE BARTOLOME LIGHT **Fl. W., 6^s(1^sfl)**	On south point of island off cape.	55 13.9	133 36.8	7	250	19	NR on small house		163	Obscured from 136° to 269°.	1939
Cape Flores Lighted Buoy 4A **Fl. W., 4^s**	In 33 feet, northwest of Cape.	55 21.5	133 17.7	....	100	....	Red			Ra ref.	
ST. IGNACE ROCK LIGHT **Fl. W., 6^s (1^sfl)**	Northeasterly of St. Ignace Island.	55 25.7	133 23.6	....	150	....	Red and white checkered square daymark on skeleton tower.		20		1949–1960
Point Espada Daybeacon	On westerly side of San Clemente Island.	55 28.4	133 24.7	....		....	NR on small house				
SAN ALBERTO BAY (Chart 8155)											
Ballena Island Shoal Lighted Buoy 6 **Fl. W., 4^s**	In 30 feet, at west edge of shoal.	55 28.2	133 13.1	....	130	....	Red			Ra ref.	
Balandra Shoal Buoy 3	In 36 feet, at northeast edge of shoal.			....		....	Black can			White reflector.	
KLAWOCK INLET (Chart 8155)											
SHELTER COVE ENTRANCE RANGE FRONT LIGHT. **Qk. Fl. R.**	On shore	55 28.5	133 08.4	....		....	KRW on skeleton tower		22		1959
SHELTER COVE ENTRANCE RANGE REAR LIGHT. **E. Int. R., 6^s**	37 yards 048° from front light.			....		....	KRW on skeleton tower		31		1959
Fish Egg Reef Lighted Buoy 1 **Fl. W., 4^s**	In 36 feet, on west side of channel, off town of Craig, south entrance to inlet.	55 28.5	133 09.5	....	100	....	Black				
Craig Buoy 2	In 15 feet, marks shoal off Craig Cannery, and turn in channel.			....		....	Red nun			Red reflector.	
Saltery Point Shoal Buoy 4	In 20 feet	55 28.9	133 08.6	....		....	Red nun			Red reflector.	
Craig Shoal Lighted Buoy 2 **Fl. W., 2.5^s**	In 30 feet, on east side of rock 0.5 mile north of Craig.	55 29.2	133 08.4	....		....	Red				
Klawock Island Shoal Lighted Bell Buoy 2 **Fl. W., 2.5^s**	In 30 feet	55 32.6	133 07.0	....		....	Red				

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAN ALBERTO BAY							
	KLAWOCK INLET							
3266	KLAWOCK ISLAND LIGHT .... **Fl. W., 4^s**	On reef north of Klawock Island, south side of entrance to Klawock. 55 33.5 133 06.2	5 100	9	TR on small house on skeleton tower on concrete pier.	20		1918–1950
	Highwater Rock Daybeacon 1	On rock about 300 yards north of Klawock Island, north side of entrance to inlet.	....	....	SW on pole			
	Klawock Ledge Daybeacon 3	On west side of rock. Give berth of not less than 35 yards.	....	....	SW on pole on concrete pier ...			
3267	*Klawock Reef Inner Lighted Buoy 3.* **Fl. G., 4^s**	In 25 feet, off southeast point of reef. 55 30.5 133 10.3	....	....	Black........................		Ra ref.	
	Klawock Reef Buoy 1............	In 50 feet, southwest of shoal.	....	....	Black can....................		White reflector.	
3268	*San Alberto Bay Lighted Buoy 5....* **Fl. W., 4^s**	In 60 feet, at northeast edge of shoal off Point Polocano. 55 32.3 133 15.0	 100	....	Black........................			
	GULF OF ESQUIBEL (Chart 8157)							
	SAN CHRISTOVAL CHANNEL							
3269	*Hermanos Islands Reef Lighted Bell Buoy 6A.* **Fl. R., 4^s**	In 42 feet, 0.3 mile southerly of islands.	....	....	Red			
	Piedras Island Reef Buoy 5A	In 30 feet	....	....	Black can....................		White reflector.	
	Hermanos Island Front Daybeacon .	On north shore of northwesternmost of Hermernos Islands group.	....	....	KRW on pole			
	Hermanos Islands Rear Daybeacon.	210 yards 104° from front daybeacon.	....	....	KRW on pole			
	San Christoval Three Fathom Buoy.	In 66 feet, close to east side of rock.	....	....	Black and red horizontal bands; can.		White reflector.	
3270	LARZATITA ISLAND REEF LIGHT. **Fl. W., 4^s**	On shoal, north of Larzatita Island. 55 35.1 133 19.6	6 120	10	NR on skeleton tower and small house on concrete pier.	22		1942
	GULF OF ESQUIBEL							
3271	POINT INCARNATION LIGHT .... **Fl. W., 2.5^s**	On point, northeasterly end of Noyes Island. 55 33.3 133 37.3	6 130	9	NR on small house	19	Obscured from 320½° to 064½°.	1938
3272 156	CAPE ULITKA LIGHT .... **Fl. W., 6^s (1^sfl)**	On northerly end of Noyes Island. 55 33.8 133 43.6	6 120	16	NR on small house	115	Obscured from 309° to 955°.	1944
	Curacao Reef Buoy 8.............	In 84 feet, at west side of rock. 55 39.4 133 28.2	....	....	Red nun.....................		Red reflector.	
	Desconocida Reef Buoy 10........	In 84 feet, off south end of point of Point Desconocida.	....	....	Red nun.....................		Red reflector.	
	BOCAS DE FINAS							
3273	*White Cliff Lighted Bell Buoy 12...* **Fl. W., 4^s**	In 78 feet	....	....	Red			
	Emerald Island Buoy 9...........	In 54 feet, 0.6 mile northeast of island.	....	....	Black can....................		White reflector.	

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	GULF OF ESQUIBEL								
	BOCAS DE FINAS								
	CAPE LYNCH LIGHT Fl. W., 6 s (1 s fl)	On small islet off west end of Heceta Island. 55 46.9 133 42.0	6 130	13	NR on small house		50	Obscured from 188° to 310°.	1933
	KARHEEN PASSAGE								
	— Daybeacon	On small islet 55 46.3 133 19.4			SB on tripod				
	Point Swift Shoal Buoy 2	In 37 feet			Red nun			Red reflector.	
	— Buoy 1	In 48 feet			Black can			White reflector.	
	— Buoy 2A	In 60 feet, on northwest side of submerged rock.			Red nun			Red reflector.	
	Ham Island Reef Buoy 3	In 35 feet			Black can			White reflector.	
	Chapin Island Range Front Daybeacon.	On southeasterly side of island.			White slatted tripod with diamond daymark.				
	Chapin Island Range Rear Daybeacon.	60 yards 308° from front daybeacon.			White slatted tripod with circular daymark.				
	Cob Island Reef Buoy 4	In 66 feet, 175 yards west of Cob Island, on southeasterly side of island.			Red nun			Red reflector.	
	Karheen Reef Buoy 6	In 66 feet, on edge of reef.			Red nun			Red reflector.	
	PEEP ROCK LIGHT Fl. W., 4 s	On rock, 0.7 mile northwest of Karheen. 55 49.2 133 19.8	5 100	9	White square daymark on small house.		17	Green reflector.	1923
	DAVIDSON INLET (Chart 8171)								
6	SURF POINT LIGHT Fl. W., 4 s	On point, south side of entrance to Davidson inlet. 55 49.9 133 37.8	5 100	11	NR on small house		19	Obscured from 248½° to 058½°.	1940
	Cosmos Pass Buoy 1	In 39 feet, off southern shore of Kosciusko Island.			Black can			White reflector.	
7	EDNA BAY ENTRANCE LIGHT Fl. W., 6 s (1 s fl)	At northern entrance to Edna Bay, Limestone Point. 55 56.4 133 36.9			NR on small house		20		1943
	Edna Bay Buoy 2	In 18 feet			Red nun			Red reflector.	
8	EDNA BAY INNER LIGHT Fl. W., 4 s	On western end of Edna Bay. 55 56.5 133 39.4	5 100	10	NR on small house		20		1943
9	WHITE CLIFF PASSAGE LIGHT Fl. W., 6 s	On southwestern end of small island east of White Cliff island. 55 54.6 133 27.7	6 120	11	TR on small house		35	Observed from 135° to 290°.	1943
	SEA OTTER SOUND								
0	HOOT ISLAND ROCK LIGHT Fl. W., 4 s	On small island between Hoot Island and Orr Island. 55 53.6 133 23.5	5 100	9	NR on small house		14		1943
81	TOKEEN HARBOR ENTRANCE LIGHT. Fl. W., 6 s (1 s fl)	On south end of unamed island. 55 56.2 133 19.7			NR on concrete base		25	Obscured from 138° to 294°.	1961

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	DAVIDSON INLET										
	TUXEKAN PASSAGE										
	Aikens Rock Daybeacon	On small islet in Tuxekan Passage.	55 54.2	133 15.7			TR on white slatted tripod				
	Village Rock Daybeacon	On small islet in Tuxekan Passage.	55 53.3	133 15.4			Red and white square daymark on pole.				
	EL CAPITAN PASSAGE (Charts 8171, 8172)										
	— Buoy 1	In 30 feet, marks rocks off east shore of El Capitan Island.					Black can			White reflector.	
3282	BURNT ISLAND LIGHT **Fl. W., 4ˢ**	On island	55 58.5	133 17.6			White square diamond daymark on small house.		15	Obscured from 004° to 150°. Green reflector.	1939
	Dry Pass Daybeacon 1	On east end of spoil bank, south side of channel.	56 09.5	133 22.8			SW on pole				
	Dry Pass Daybeacon 2	On west end of spoil bank, north side of channel.	56 09.6	133 23.2			TR on pole				
	Dry Pass Daybeacon 3	On west end of spoil bank, south side of channel.	56 09.6	133 23.3			SW on pole				
	Dry Pass Daybeacon 5	On east end of spoil bank, south side of channel.	56 09.7	133 24.0			SW on pole				
	Dry Pass Daybeacon 6	On west end of spoil bank, north side of channel.	56 09.9	133 24.6			TR on pole				
	Dry Pass Daybeacon 7	On west end of spoil bank, south side of channel.	56 09.8	133 24.6			SW on pole				
	Dry Pass Daybeacon 9	On island	56 09.9	133 25.1			White slatted tripod			White reflector.	
	Dry Pass Daybeacon 11	On east end of spoil bank, south side of channel.	56 09.9	133 25.4			SW on pole				
	Dry Pass Daybeacon 13	On west end of spoil bank, south side of channel.	56 09.9	133 25.6			SW on pole				
	Dry Pass Daybeacon 14	On east end of Spoil bank, north side of channel.	56 09.8	133 25.8			TR on pole				
	Dry Pass Daybeacon 15	On rock on south side of channel.	56 09.8	133 25.9			SW on pole				
	Dry Pass Daybeacon 16	On small islet	56 09.8	133 26.1			Red slatted tripod			Red reflector.	
	Dry Pass Daybeacon 17	On rock	56 09.7	133 26.1			SW on pole				
	Dry Pass Daybeacon 18	On rock	56 09.7	133 26.3			TR on pole				

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
DAVIDSON INLET									
EL CAPITAN PASSAGE									
Dry Pass Daybeacon 20	On spoil bank	56 09.6	133 26.6			TR on pole			
Dry Pass Daybeacon 21	On rock	56 09.5	133 26.8			SW on pole			
Dry Pass Daybeacon 22		56 09.5	133 27.1			TR on pole			
Dry Pass Range Front Daybeacon		56 09.4	133 27.1			NR on pole			
Dry Pass Range Rear Daybeacon	On shore, 115 yards 241.5° from front daybeacon.					Red and white circular daymark on pole.		Red reflector.	
Dry Pass Daybeacon 23	On south end of spoil bank, east side of channel.	56 09.4	133 27.1			SW on pole			
Dry Pass Daybeacon 24	On small island	56 09.3	133 27.3			Red slatted tripod		Red reflector.	
Dry Pass Daybeacon 26	On rock	56 09.2	133 27.6			TR on pole			
LITTLE BRANCH BAY (Chart 8253)									
—LIGHT **Fl. W., 4^{s}**	On point between Little and Big Branch Bays.	56 18.3	134 50.6	5 100	16	NR on small house	109	Obscured from 111½° to 338°.	1935
SITKA SOUND (Charts 8255, 8256, 8281)									
Elovoi Island Rock Daybeacon	On rock awash at low water, east side of island.	56 49.3	135 22.6			SW on pile			
Koka Island Passage Daybeacon	On rock awash at low water.	56 54.8	135 23.6			SW on pile			
CAPE EDGECUMBE LIGHT **Fl. W., 4^{s}**	On cape, north side of entrance to Sitka Sound.	56 59.9	135 51.3	7 250	16	NR on square frame	100	Obscured from 164° to 321°.	1921–1965
Sitka Point Daybeacon	On south end of Sitka Point.					SW on pole			
VITSKARI ISLAND LIGHT **Fl. W., $6^{s}(1^{s}fl)$**	3 miles east of Shoals Point.	57 00.0	135 32.6	6 160	13	NR on small house on skeleton tower.	50		1931–1956
Kulichkof Rock Lighted Bell Buoy 2. **Fl. W., 4^{s}**	In 120 feet, northerly of rock.	57 00.0	135 27.0			Red			
EASTERN CHANNEL (Chart 8244)									
THE ECKHOLMS LIGHT **Fl. W., $6^{s}(1^{s}fl)$**	On group of islets on south side of Eastern Channel.	57 00.6	135 21.4			NR on small house	33	Obscured from 288° to 324°.	1918–1949
Simpson Rock Lighted Bell Buoy 1. **Fl. W., 2.5^{s}**	In 66 feet	57 01.2	135 20.6			Black			
Tsaritsa Rock Lighted Bell Buoy 3. **Fl. W., 2.5^{s}**	In 78 feet	57 01.2	135 19.4			Black			

ALASKA SEVENTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	SITKA SOUND										
	EASTERN CHANNEL										
3290	*Rocky Patch Lighted Bell Buoy 2* Fl. R., 4^s	In 60 feet	57 01.7	135 18.3			Red				
3291	ENTRY POINT LIGHT Fl. W., 6^s (1^sfl)	On point, on north side of entrance to Silver Bay.	57 02.0	135 14.9	6 140	9	NR on square frame		22		1961
3292	SUGARLOAF POINT LIGHT Fl. W., 2.5^s	On point, on south side of entrance to Silver Bay.	57 02.1	135 13.4	6 110		NR on square frame			Obscured from 198° to 081°.	1961–1966
3293	THE TWINS LIGHT Fl. W., 4^s	On southeastern islet.	57 02.1	135 18.7	5 100	8	NR on small house		14	Obscured westward of 025°.	1923
3293.50	MORNE ISLAND LIGHT F. W.	On northwest tip of Morne Island.	57 02.3	135 19.3			Pole		9	Private aid.	1969
	MIDDLE CHANNEL										
3294	VOLGA ISLAND LIGHT Fl. W., 4^s	On southern end of island.	57 02.4	135 20.7	5 100	11	SW on small house		35	Obscured from 086° to 241½°.	1944
3294.50	FRITZ ISLAND LIGHT Occ. R., 5^s(4^slt)	On shore	57 02.5	135 20.9					45	Maintained by Federal Aviation Agency.	1968
3295	TURNING ISLAND LIGHT Fl. W., 2.5^s	On southeastern end of island.	57 02.6	135 20.1	6 130	9	SW on small house			Obscured from 062° to 211½°.	1944
	Crescent Boat Harbor Buoy 1	In 20 feet, marks shoal south of boat harbor entrance.					Black can			Ra ref. White reflector.	
3295.30	CRESCENT EAST BREAKWATER LIGHT 2. Fl. R., 2.5^s	On outer end of breakwater.	57 03.0	135 19.7			TR on square frame		19		1966
3295.50	CRESCENT WEST BREAKWATER LIGHT 3. Fl. G., 2.5^s	On outer end of breakwater.					SW on square frame structure		19		1966
3296	SHOAL ISLAND LIGHT Qk. Fl. W.	On rock, east of Harbor Island.	57 02.9	135 20.4			SW on small house on white skeleton tower on concrete pier.		19	Obscured from 033½° to 138°.	1944–1950
3297	STANDARD OIL COMPANY PIER SOUTH LIGHT. F. R.	On south outermost corner of pier.							10	Private aid.	1958
3298	STANDARD OIL COMPANY PIER NORTH LIGHT. F. R.	On north outermost corner of pier.							10	Private aid.	1958
	WESTERN CHANNEL										
3299	*Makhnati Rock Lighted Whistle Buoy* 1. Qk. Fl. W.	In 150 feet, westerly of rock.	57 02.1	135 23.8	 100		Red and black horizontal bands.				
3300	SIGNAL ISLAND LIGHT Fl. R., 4^s	On western point of island.	57 02.8	135 23.4			Red and white checkered diamond daymark on small house.		48	Obscured from 211° to 010°.	1931
3301	*Usher Rock Shoal Lighted Buoy 1* Fl. G., 4^s	In 60 feet	57 03.1	135 23.7			Black				
3301.50	JAPONSKI ISLAND AERO LIGHT Alt. Fl. W. & G.	On shore	57 03.2	135 21.9					102	Maintained by Federal Aviation Agency.	1968
3302	BATTERY ISLAND LIGHT Fl. W., 6^s (1^sfl)	On northern end of island.	57 03.6	135 22.8	6 130	9	NR on small house		16	Obscured from 269° to 263°.	1944

(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
ALASKA							SEVENTEENTH DISTRICT	
SITKA SOUND								
WESTERN CHANNEL								
BATTERY ISLAND SUMMIT LIGHT. **Occ. R., 5^{s}(4^{s}lt)**	On shore 57 03.6 135 22.8	....	....	....		63	Maintained by Federal Aviation Agency.	1968
CHANNEL ROCK LIGHT .... **Fl. W., 2.5^{s}**	On highest part of rock, north entrance to Sitka Harbor. 57 03.6 135 22.1	....	....	NR on small house on skeleton tower on concrete pier.		25		1921
Channel Rock Lighted Buoy 1 ..... **Fl. G., 4^{s}**	In 30 feet, marks shoal northeast of Channel Rock.	....	....	Black........................				
SITKA BOAT HARBOR LIGHT..... **F. G.**	On southeast end of breakwater. 57 03.4 135 21.0	....	....	....		25	Private aid.	1960–1961
Sitka Harbor Channel Lighted Buoy 3. **Qk. Fl. G.**	In 24 feet, marks approach to north end of dredged cut. 57 03.2 135 20.9	....	....	Black				
HARBOR ROCK LIGHT .... **Fl. W., 2.5^{s}**	On rock, north entrance to Sitka Harbor. 57 03.2 135 20.8	....	....	NR on small house on concrete pier.		15		1927–1956
Sitka Harbor Channel Lighted Buoy 5. **Fl. G., 4^{s}**	In 24 feet, marks eastern limits of dredged channel southerly of Harbor Rock. 57 03.2 135 20.8	....	....	Black......................				
SITKA SOUND								
Kasiana Island Shoal Buoy 1.......	In 84 feet, southerly from Old Sitka Rocks Light. 57 05.4 135 24.3	....	....	Black can....................			White reflector.	
OLD SITKA ROCKS LIGHT ...... **Fl. W., 6^{s} (1^{s}fl)**	On westernmost rock . 57 06.9 135 24.6	6 130	....	NR on small house on slatted skeleton structure.		36		1920
OLGA STRAIT								
—LIGHT 1 .... **Fl. W., 6^{s}(1^{s}fl)**	In 26 feet, marks 2¾ fathom shoal, 0.7 mile northwesterly from Eastern Point. 57 11.4 135 27.9	6 160	9	SW on dolphin		15		1962 – 1964
Middle Shoal Daybeacon 3	In 22 feet, on southeast end of shoal.	....	....	SW on dolphin				
MIDDLE SHOAL LIGHT 5 .... **Fl. W., 4^{s}**	In 32 feet, on north west end of shoal .	5 100	9	SW on dolphin		15		1962 – 1964
NEVA STRAIT								
NEVA POINT REEF LIGHT...... **Fl. W., 6^{s} (1^{s}fl)**	On rock awash, of point. 57 14.1 135 33.0	6 130	9	NR on small house		17	Obscured from 142° to 247°.	1943
Whitestone Narrows Rock Lighted Buoy 1. **Fl. G., 4^{s}**	In 60 feet, at entrance to Whitestone Narrows.	....	....	Black			Ra ref.	
WHITESTONE POINT LIGHT .... **Fl. W., 4^{s}**	On southside of point, Neva Strait. 57 14.7 135 33.7	5 100	8	TR on small house		14	Obscured from 273° to 340°.	1929
Whitestone Narrows Buoy 2........	In 30 feet, marks a 9-foot shoal.	....	....	Red nun......................			Red reflector.	

(1) No.	(2) Name / Characteristic	(3) Location / Lat. N. Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Year
	SITKA SOUND							
	NEVA STRAIT							
3315	*Whitestone Narrows Channel Lighted Buoy 3.* Fl. G., 2.5^{s}	In 29 feet 57 14.8 135 33.9	....	....	Black		Ra ref.	
3316	*Whitestone Narrows Channel Lighted Buoy 4.* Fl. R., 2.5^{s}	In 20 feet 57 14.9 135 33.8	....	....	Red			
3316.11	*Whitestone Narrows Channel Lighted Buoy 5.* Qk. Fl. G.	In 40 feet	....	....	Black		Ra ref.	
	Whitestone Narrows Channel Buoy 6.	In 40 feet	....	....	Red nun		Red reflector.	
	Whitestone Sandspit Buoy 8	In 33 feet	....	....	Red nun		Red reflector.	
3316.30	WHITESTONE NARROWS CHANNEL RANGE FRONT LIGHT. Qk. Fl. W.	On shore 57 15.3 135 34.1	....	....	Red rectangular daymark with white vertical stripe on skeleton tower.	19		1965
3316.50	WHITESTONE NARROWS CHANNEL RANGE REAR LIGHT. F. W.	On shore 226 yards 342° from front light.	....	....	KRW on skeleton tower	28		1965
	Columbine Rock Daybeacon 9	On rock, on west shore of channel.	....	....	SW on square frame			
3317	*— Lighted Buoy 10* Fl. R., 4^{s}	In 30 feet, marks reef opposite Columbine Rock Daybeacon. 57 15.8 135 34.8	....	....	Red		Ra ref.	
3318	*Wyvill Reef Lighted Buoy 12* Fl. W., 4^{s}	In 18 feet, off south end of Wyvill Reef. 57 16.3 135 35.4	....	....	Red			
3319	*Highwater Island Shoal Lighted Buoy 13.* Fl. G., 4^{s}	In 30 feet 57 16.9 135 36.0	....	....	Black		Ra ref.	
3320	ENTRANCE ISLAND LIGHT Fl. W., 6^{s} (1^{s}fl)	On island at northerly entrance to Neva Strait. 57 17.5 135 36.2	6 170	11	NR on skeleton tower	30	Obscured from 159° to 328°.	1943–1964
3320.30	KANE ISLANDS LIGHT Fl. W., 2.5^{s}	On eastern most of Kane Islands. 57 19.4 135 39.7	6 110	12	NR on square frame	40		1966
	SALISBURY SOUND (Chart 8248)							
	Morskoi Rock Buoy 2	In 116 feet	....	....	Red nun		Red reflector. Maintained from May 1 to Sept. 30.	
3321 161	KLOKACHEF ISLAND LIGHT Fl. W., 6^{s}(1^{s}fl)	On Klokachef Point 57 24.2 135 54.2	6 200	15	NR on square frame	85	Obscured from 155½° to 291°.	1931–1967
	PERIL STRAIT (Charts 8248, 8283)							
	Kakul Rock Buoy 2	In 69 feet	....	....	Red nun		Red reflector.	
	Brad Rock Buoy 3	In 39 feet	....	....	Black can		White reflector.	
3322	KAKUL NARROWS LIGHT 4 Fl. W., 4^{s}	On one of the Channel Rocks. 57 22.5 135 40.9	5 100	....	TR on small house on skeleton tower on concrete pier.	27		1929
3322.50	SULOIA POINT LIGHT 5 Fl. W., 2.5^{s}	On east side of point. 57 23.4 135 38.9	6 110	10	SW on square frame	22		1966
3323	*West Francis Rock Lighted Buoy* I. Qk. Fl. W.	In 37 feet	....	....	Red and black horizontal bands		Ra ref.	
3324	SERGIUS NARROWS LIGHT 7 Fl. G., 4^{s}	On north side of narrows. 57 24.5 135 37.8	....	....	SW on skeleton tower	17	Obscured from 080° to 243°.	1935
	Wayanda Ledge Buoy 8	In 32 feet, marks shoal in Sergius Narrows.	....	....	Red nun		Red reflector.	

	(2) Name	(3) Location			(4) Nominal Range	(5) Geographic Range	(6) Structure			(7) Remarks	
	Characteristic		Lat. N.	Long. W.	Intensity			Ht. above ground	Ht. above water		Year
					ALASKA					SEVENTEENTH DISTRICT	
	PERIL STRAIT										
	Liesnoi Shoal Lighted Bell Buoy 9 **Fl. W., 4s**	In 50 feet, south side of shoal.			 100	....	Black				
.50	POINT SIROI ISLAND LIGHT 10 **Fl. R., 2.5s**	On island off Point Siroi.	57 25.2	135 35.2	....	....	TR on square frame		15		1966
	Deep Bay Entrance Daybeacon	On small islet at entrance to bay.			....	....	SW on pole				
5	MIDDLE POINT LIGHT 12 **Fl. W., 4s**	On east side of Channel off Middle Point.	57 26.4	135 34.4	....	....	TR on concrete pier		11		1940
6.50	YELLOW POINT LIGHT 14 **Fl. R., 2.5s**	On point	57 26.9	135 33.6	....	....	TR on square frame		17		1966
	Yellow Point Rock Daybeacon 16	On highest part of rock about 0.2 mile northeast of Yellow Point.			....	....	TR on concrete pier				
7	ROSE ISLAND ROCK LIGHT 17 **Fl. W., 4s**	Southeast of Big Rose Island.	57 27.3	135 32.3	5 100	9	SW on skeleton tower		17		1935–1969
	Big Rose Island Daybeacon 19	On northeast point of island.			....	....	SW on square frame				
	Rose Channel Rock Daybeacon	On highest part of rock, 250 yards Northwest of Little Rose Island.			....	....	NR on skeleton tower				
27.50	—LIGHT 20 **Fl. W., 2.5s**	On shore	57 29.5	135 32.4	6 110	8	TR on square frame		13		1968
8	POVOROTNI ISLAND LIGHT **Fl. W., 6s(1sfl)**	On northwest end of island.	57 30.8	135 33.2	6 120	11	NR on small house			Obscured from 293° to 031½°.	1929
29	*Otstoia Island Lighted Buoy 2* **Fl. R., 4s**	In 50 feet, on east side of channel off south point of island.			....	....	Red				
30	OTSTOIA ISLAND LIGHT **Fl. W., 4s**	On south point of island.	57 33.7	135 26.9	6 150	9	NR on skeleton tower			Obscured from 130° to 244°.	1965
31	*Cozian Reef Lighted Bell Buoy 1* **Fl. G., 6s(1sfl)**	In 72 feet, marks shoal northerly of Nismeni Point.	57 34.1	135 25.5	....	....	Black				
31.30	BROAD ISLAND LIGHT **Fl. W., 2.5s**	On shore	57 35.2	135 23.5	6 130	8	NR on square frame		14		1968
	Rodman Rock Buoy 1	In 25 feet, at entrance to Rodman Bay.			....	....	Black can			White reflector.	
31.50	POINT BENHAM LIGHT **Fl. W., 4s**	On shore	57 29.0	135 11.7	6 110	9	NR on square frame		19		1968
32	McCLELLAN ROCK LIGHT **Fl. W., 6s(1sfl)**	On rock, off Lindenberg Head.	57 27.2	135 01.5	6 160	9	NR on cylindrical pier		17		1915–1964
33	FAIRWAY ISLAND LIGHT **Fl. R., 6s(1sfl)**	On northern end of island.	57 26.6	134 52.2	....	....	NR on small house		55	Obscured from 324° to 088°.	1943
34	POINT CRAVEN LIGHT **Fl. W., 2.5s**	On small island off point, west side of entrance to Sitkoh Bay.	57 27.8	134 51.8	....	....	NR on small house		35	Obscured from 077½° to 157½°.	1917–1922
	(For Chatham Strait, see No. 3206)										

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	KHAZ BAY (Chart 8280)								
3335	*Khaz Breaker Lighted Whistle Buoy 2.* **Fl. W., 6ˢ(1ˢfl)**	In 117 feet, marks reefs off entrance to Khaz Bay. 57 31.2	136 07.7	....	....	Red			
	Ninefoot Shoal Buoy 4	In 100 feet, on northwest side of 9-foot shoal, at entrance to bay.		....	....	Red nun.....................		Red reflector.	
	Klag Bay Entrance Daybeacon	On west side of "The Gate."		....	....	SW on pole			
	The Gate Daybeacon	On reef, bare at low water, west side of north end of "The Gate."		....	....	SW on post on concrete pier			
	Klag Island Daybeacon	On southwest shore of island, 520 yards 7½° from The Gate Daybeacon in line with which it clears sunken rock on the east side of "The Gate", opposite Klag Bay Entrance Daybeacon.		....	....	Red and white checkered square daymark on pole.			
	OGDEN PASSAGE								
	Snipe Rock Daybeacon	On rock, west side of passage at entrance to Kukkan Bay. 57 38.3	136 10.6	....	....	NR on pole			
	Dippy Island Rock Daybeacon	On rock awash, in midchannel west of entrance to Kimshan Cove.		....	....	SW on pole on pier			
	PORTLOCK HARBOR (Chart 8258)								
	Black Bay Rocks Daybeacon	On rocks 57 42.3	136 09.3	....	....	TR on pole			
	Minnie Reef Daybeacon	On reef 57 43.2	136 10.2	....	....	SW on pole on concrete foundation.			
	IMPERIAL PASSAGE								
3337 162	HILL ISLAND LIGHT .... **Fl. W., 4ˢ**	On south point of island, north side of passage. 57 43.7	136 16.5	6 150	13	NR on square frame	60	Obscured from 111° to 256°.	1923–1966
	GRAVES HARBOR (Chart 8410)								
	— Buoy 2......................	In 32 feet, marks shoal on south side of harbor. 58 17.2	136 41.5	....	....	Red nun.....................		Red reflector.	
	LITUYA BAY (Chart 8402)								
3337.11	— ENTRANCE CHANNEL RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore 58 37.6	137 39.4	 160	....	KRW on skeleton tower	22	1,600 cp on rangeline with lower intensity elsewhere.	1964

o.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	YAKUTAT BAY (Chart 8455)								
. 12	— ENTRANCE CHANNEL RANGE REAR LIGHT. **E. Int. W., 6^{s}**	475 yards 007° 30′ from front light.	 300	....	KRW on skeleton tower		37	3,500 cp on range line with lower intensity elsewhere.	1965–1969
3	OCEAN CAPE LIGHT .... **Fl. W., 6^{s}(1^{s}fl)**	On bluff, east side of entrance to Yakutat Bay. 59 32.1 139 51.3	9 800	17	Red and white checkered square daymark on skeleton tower.		130	Obscured from 151° to 399°.	1912–1959
9	— *Entrance Lighted Whistle Buoy 2.* **Fl. W., 2.5^{s}**	In 150 feet, about 3 miles west of Ocean Cape. 59 31.9 139 57.1	 110	....	Red				
0	— *Lighted Whistle Buoy 4* .... **Fl. R., 4^{s}**	In 90 feet, westerly of Khantaak Island. 59 35.6 139 51.1	....	....	Red				
1	KHANTAAK ISLAND LIGHT ...... **Fl. W., 4^{s}**	On Point Turner on southernmost point of island. 59 33.6 139 46.9	5 100	10	Red and white checkered square daymark on skeleton tower.		28	Obscured from 149° to 285°.	1929–1960
	Middle Ground Shoal Buoy 3	In 24 feet	....	....	Black can			White reflector.	
	CONTROLLER BAY (Chart 8513)								
	Bering River Entrance Midchannel Buoy.	In 42 feet, 5.1 miles 131° from Martin Islands Light.	....	....	Black and white vertical stripes; nun.			White reflector.	
2	MARTIN ISLANDS LIGHT .... **Fl. W., 6^{s}(1^{s}fl)**	On southwest point of Kiktak Island. 60 09.7 144 36.7	6 130	18	NR on small house			Obscured from 174° to 255°.	1923
	COPPER RIVER DELTA (Charts 8502, 8551)								
43	EGG ISLAND LIGHT .... **Fl. W., 6^{s}(1^{s}fl)**	On southeast island of group, west side of channel. 60 22.3 145 43.9	8 500	10	NR on skeleton tower		20		1961
	Softuk Bar Midchannel Buoy SB	Marks passages between the shoals of Copper River Delta between Controller Bay and Cordova.	....	....	Black and white vertical stripes; oil drum.			White reflector. Maintained from May 1 to Sept. 1.	
	Kokenhenic Bar Midchannel Buoy KB.	Marks passages between the shoals. of Copper River Delta between Controller Bay and Cordova.	....	....	Black and white vertical stripes; oil drum.			White reflector. Maintained from May 1 to Sept. 1.	
	Grass Island Bar Midchannel Buoy GIB.	Marks passages between the shoals of Copper River Delta between Controller Bay and Cordova.	....	....	Black and white vertical stripes; oil drum.			White reflector. Maintained from May 1 to Sept. 1.	
	Peter Dahl Bar Midchannel Buoy PDB.	Marks passages between the shoals of Copper River Delta between Controller Bay and Cordova.	....	....	Black and white vertical stripes; oil drum.			White reflector. Maintained from May 1 to Sept. 1.	
344	MUMMY ISLAND LIGHT .... **Fl. W., 4^{s}**	Off east end of island. 60 27.8 145 59.2	5 100	10	SW on small house on concrete pier.		21		1936

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Loog. W.	(4) Nominal Range	Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
					ALASKA					**SEVENTEENTH DISTRICT**	
	PRINCE WILLIAM SOUND (Chart 8551)										
3345	JOHNSTONE POINT LIGHT ...... **Fl. W., 6^{s}(1^{s}fl)**	On pillar rock off point.	60 29.0	146 36.7	6	130	13	NR on square frame structure ...	57	Obscured from 256° to 052°.	1914–1968
3346	*Middle Ground Shoal Lighted Bell* **Fl. W., 6^{s}**	In 66 feet, off shoal .			....		....	Red			
	Orca Bay (Chart 8520)										
3347	GRAVINA POINT LIGHT .... **Fl. W., 2.5^{s}**	On point	60 37.4	146 15.1	7	250	10	Red and white checkered square daymark on skeleton tower.	27	Obscured from 120° to 264°.	1918–1964
3348	*Hanks Island Rock Lighted Bell Buoy 1.* **Fl. W., 4^{s}**	In 33 feet, 0.2 mile south of rock.	60 36.0	145 59.4	....	100	....	Black......................			
	Channel Island Rock Buoy 3.......	In 42 feet, close to southwest side of rock.			....		....	Black can		White reflector.	
3349	CHANNEL ISLAND LIGHT .... **Fl. W., 6^{s} (1^{s}fl)**	On south end of island.	60 36.8	145 48.2	7	300	10	NR on small house	26	Obscured from 093° to 242°.	1910–1926
3350	NORTH ISLAND ROCK LIGHT .... **Fl. R., 6^{s} (1^{s}fl)**	On rock awash, northeasterly of north end of island.	60 37.7	145 42.6	....		....	TR on concrete pile	14		1963
	ORCA INLET										
3351	*North Rock Shoal Lighted Buoy 2...* **Fl. W., 4^{s}**	In 42 feet, off northeast point of shoal.	60 37.5	145 41.4	....	100	....	Red			
3352	*—Lighted Bell Buoy 5* .... **Fl. G., 4^{s}**	In 48 feet, at edge of shoal.			....		....	Black			
	North Rock Shoal Buoy 2A	In 25 feet, at edge of shoal.			....		....	Red nun		Red reflector.	
3353.11	*—Lighted Buoy 4* .... **Qk. Fl. R.**	In 20 feet			....		....	Red			
	Odiak Channel Buoy	In 20 feet, on southern end of shoal.			....		....	Black and red horizontal bands; can.		White reflector.	
3354	*Odiak Channel Lighted Bell Buoy 2.* **Fl. R., 4^{s}**	In 20 feet, at edge of shoal.	60 34.9	145 45.2	....		....	Red		Ra ref.	
3355	*—Lighted Buoy 6* .... **Fl. W., 4^{s}**	In 30 feet, on west side of Odiak Channel.			....		....	Red		Ra ref.	
	—Buoy 8	In 20 feet, on northwest side of channel north of Cordova Wharf.			....		....	Red nun		Red reflector.	
	—Buoy 10	In 20 feet, opposite Cordova Wharf.			....		....	Red nun		Red reflector.	
3356	CORDOVA LIGHT 1 .... **Fl. W., 4^{s}**	In 18 feet, on east side of channel off	60 33.0	145 45.8	....	100	....	SW on dolphin	15		1926
3357	CORDOVA BOAT HARBOR LIGHT 2. **Fl. R., 4^{s}**	On northwest end of south breakwater.			....		....	TR on skeleton tower	16		1904 – 1959
	—South Channel Buoys (6)	Mark left side of channel from Shag Rock northeastward.			....		....	Black drums		Maintained from May 1 to Sept 30.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	PRINCE WILLIAM SOUND (Chart 8519)									
58	GOOSE ISLAND LIGHT **Fl. W., 6^{s} (1^{s}fl)**	On southwesterly side of island.	60 42.8	146 43.6	6 120	12	NR on small house		Obscured from 151° to 313°.	1943
59	*Bligh Reef Lighted Buoy 2* **Fl. W., 6^{s}(1^{s}fl)**	In 54 feet, off southwest end of reef.			130	....	Red		Ra ref.	
60	BUSBY ISLAND LIGHT **Fl. W., 4^{s}**	On west point of island.	60 53.8	1 46 48.9	6 150	10	NR on square frame	25		1922–1965
	Tatitlek Narrows Buoy 1	In 48 feet south end of narrows.				....	Black can		White reflector.	
	Tatilek Narrows Buoy 2	In 20 feet				....	Red nun		Red reflector.	
	Tatilek Narrows Buoy 4	In 25 feet				....	Red nun		Red reflector.	
	Tatilek Narrows Buoy 6	In 40 feet				....	Red nun		Red reflector.	
61	*Ellamar Entrance Lighted Buoy 2.* **Fl. R., 4^{s}**	In 42 feet	60 53.7	146 43.2		....	Red		Ra ref.	
	VALDEZ ARM									
	Rocky Point Daybeacon	On southwest point of island off point.				....	NR on wood frame			
	Entrance Point Daybeacon	On point east side of Valdez Narrows.				....	NR on slatted pyramid			
362	MIDDLE ROCK LIGHT **Fl. W., 4^{s}**	On rock, Valdez Narrows.	61 04.9	146 39.0	6 150	11	NR on square frame on concrete pier.	30		1910–1964
362.50	VALDEZ BOAT HARBOR LIGHT 2. **Fl. R., 4^{s}**	On south end of breakwater.				....	TR on square frame	22		1965
	PRINCE WILLIAM SOUND (Chart 8517)									
365	*Smith Island Lighted Bell Buoy 1* **Fl. W., 2.5^{s}**	In 60 feet, off east end of island.	60 32.1	147 17.1		....	Black		Ra ref.	
	Pennsylvania Rock Buoy 2	In 50 feet, on north side of rock, about 1 mile north northeast of Seal Island.	60 26.8	147 24.0		....	Red nun		Red reflector.	
366	SEAL ISLAND LIGHT **Fl. W., 4^{s}**	On northwest side of island.	60 25.8	147 24.9	6 120	12	Red and white checkered square daymark on small house.	45	Obscured from 274° to 032°	1912
367	POINT ELEANOR LIGHT **Fl. W., 6^{s} (1^{s}fl)**	On northernmost point of Eleanor Island.	60 34.9	147 33.7	6 130	12	NR on small house	45	Obscured from 301° to 091°.	1942
368	*Lone Island Shoal Lighted Bell Buoy 2.* **Fl. W., 4^{s}**	In 96 feet, marks 3½ fathom shoal.	60 38.3	147 47.2	100	....	Red			
369	PERRY ISLAND LIGHT **Fl. W., 6^{s} (1^{s}fl)**	On south end of Perry Island.	60 39.3	147 55.8	6 200	11	Red and white checkered square daymark on skeleton tower.	35	Obscured from 117° to 266°.	1942–1964
3370	CULROSS ISLAND LIGHT **Fl. W., 4^{s}**	On northeastern side of island.	60 44.9	148 06.7	5 100	12	Red and white checkered square daymark on small house.	40	Obscured from 334° to 128°.	1942
3371	POINT ESTHER LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On southwest side of Esther Island.			6 130	12	Red and white checkered square daymark on small house.	48	Obscured from 108° to 276°.	1942
	PASSAGE CANAL									
3372	POINT PIGOT LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On point berween Port Wells and Passage Canal.	60 48.1	148 21.3	6 200	19	NR on small house	25	Obscured from 100° to 247°.	1942–1968

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PRINCE WILLIAM SOUND										
	PASSAGE CANAL										
3373	DECISION POINT LIGHT Fl. W., 4^{s}	On north end of point between Blackstone Bay and Passage Canal.	60 48.4	148 27.2	5 100	11	NR on small house		35	Obscured from 315° to 105°.	1942
3374	TRINITY POINT LIGHT Fl. W., 6^{s}(1^{s}fl)	On end of narrow point between Emerald Island and Trinity Point.	60 48.4	148 34.0	6 130	11	NR on small house		39	Obscured from 262° to 079°.	1942
	Whittier Harbor Buoy 1	In 50 feet, marks shoal off east end of dock at Whittier.			....	....	Black can			White reflector.	
	Whittier Harbor Buoy 3	In 120 feet, marks eastern limits of shoal.			....	....	Black can			White reflector.	
	PORT NELLIE JUAN										
3375	— LIGHT Fl. W., 2.5^{s}	On north end of point between Port Nellie Juan and Knight Island Passage.	60 35.9	148 06.0	6 130	10	Red and white checkered square daymark on small house.		23	Obscured from 281° to 070°.	1920
	KNIGHT ISLAND PASSAGE (Chart 8515)										
3376	CRAFTON ISLAND LIGHT Fl. W., 4^{s}	On northeast side of Crafton Island.	60 30.7	147 56.0	5 100	14	NR on small house		70	Obscured from 328° to 146°.	1942
3377	NEW YEAR ISLANDS LIGHT Fl. W., 6^{s}(1^{s}fl)	On most southerly timbered island of group, off entrance to Drier Bay.	60 18.7	147 55.0	....	....	NR on small house		20	Obscured from 193° to 316°.	1919
3378	PLEIADES LIGHT Fl. W., 4^{s}	On northeast side of North Pleiades Island.	60 14.4	148 00.5	5 100	11	NR on small house		30	Obscured from 343° to 128°.	1936
3380	POINT HELEN LIGHT Fl. W., 6^{s}(1^{s}fl)	On point, 0.1 mile northeast of Point Helen.	60 09.2	147 45.8	6 160	11	Red and white checkered square daymark on small house.		35	Obscured from 079° to 224°.	1912–1964
	EVANS BAY										
	Port Ashton Buoy 2	In 60 feet			....	....	Red nun			Red reflector.	
	— Buoy 1	In 72 feet			....	....	Black can			White reflector.	
3381	— LIGHT Fl. W., 4^{s}	On north end of peninsula, south side of bay.	60 03.3	148 02.1	6 110	8	NR on small house		12	Obscured from 287° to 080°.	1932
	— Bay Buoy 3	In 25 feet			....	....	Black can			White reflector.	
	— Bay Buoy 4	In 40 feet			....	....	Red nun			Red reflector.	
	ELRINGTON PASSAGE (Chart 8523)										
3382	— LIGHT Fl. W., 6^{s})1^{s}fl)	On island west of Bettles Island.	60 02.8	148 00.5	....	....	Red and white checkered square daymark on skeleton structure.		25	Obscured from 064° to 244°.	1910–1971

ALASKA

SEVENTEENTH DISTRICT

) .	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PRINCE WILLIAM SOUND									
	ELRINGTON PASSAGE									
	— Daybeacon	On northwest point of island.		....	....	NR on slatted tripod				
33	EVANS ISLAND LIGHT .... **Fl. W., 2.5^{s}**	On southeast shore of Evans Island. 59 59.2	148 07.3	6 160	10	NR on small house		20	Obscured from 084° to 249°.	1941
4	LONETREE POINT LIGHT ...... **Fl. W., 4^{s}**	On point, south side of west entrance to Elrington Passage. 59 59.0	148 11.9	5 100	11	NR on small house on skeleton tower.		34	Obscured from 280° to 063°.	1912–1935
5	POINT ELRINGTON LIGHT ...... **Fl. W., 6^{s} (1^{s}fl)**	.... 59 56.2	148 14.9	7 300	15	NR on structure		90	Obscured from 179° to 023°.	1971
	RESURRECTION BAY									
	(Chart 8529)									
86 9	RUGGED ISLAND LIGHT .... **Fl. W., 6^{s}(1^{s}fl)**	On southeast end of island. 59 50.3	149 22.3	7 300	28	NR on small house		348	Obscured from 059° to 099° and from 114° to 221°.	1956–1957
87	HIVE ISLAND LIGHT............ **Fl. W., 4^{s}**	On northeast shore of island. 59 53.4	149 22.1	5 100	15	NR on white battery box		80	Obscured from 320° to 131°.	1924–1966
88	CAINES HEAD LIGHT .... **Fl. W., 4^{s}**	On side of bluff 59 59.0	149 23.1	5 100	11	NR on small house		30	Obscured from 043° to 214°.	1913
89	THUMB COVE LIGHT .... **Fl. W., 6^{s}(1^{s}fl)**	On small islet north side of entrance to Thumb Cove. 60 00.4	149 19.9	6 130	13	NR on small house on concrete pier.		55	Obscured from 113° to 249°.	1938
	Seward Boat Harbor Buoy 1	In 25 feet, marks easterly edge of obstruction.		....	....	Black can			White reflector.	
392	SEWARD EAST BREAKWATER LIGHT 2. **Fl. R., 4^{s}**	On outer end of breakwater. 60 07.0	149 25.9	....	....	TR on square frame		16		1965
393	SEWARD WEST BREAKWATER LIGHT 3. **Fl. G., 4^{s}**	On outer end of breakwater.		....	....	SW on square frame		16		1965
	Railroad Pier Daybeacon 1	In 12 feet west side of dredged channel.		....	....	SW on dolphin				
	Railroad Pier Daybeacon 2	In 18 feet east side of dredged channel.		....	....	TR on dolphin				
	McARTHUR PASS									
	(Chart 8530)									
394	— LIGHT .... **Fl. W., 4^{s}**	On north side of pass. 59 27.8	150 20.1	5 100	12	NR on small house		45	Obscured from 074° to 256°.	1934
	COOK INLET	Some buoys may be located outside of the wire dragged area.								
	(Charts 8554, 8553)									
394.50 81.50	*Kennedy Entrance Lighted Whistle Buoy 1.* **Fl. W., 6^{s}(1^{s}fl)**	In 210 feet 58 55.9	151 25.8	 190	....	Black			Ra ref.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	COOK INLET									
3395 182	EAST CHUGACH LIGHT Fl. W., 6^{s}(1^{s}fl)	On southeast point East Chugach Island.	59 06.4	151 26.5	7 250	25	NR on small house	325	Obscured from 118° to 227°.	1915–1967
3395.50	PERL ROCK LIGHT Fl. W., 2.5^{s}	On shore	59 05.4	151 41.5	10 1,600	13	NR on square tower	66	White reflector.	1970
3396	PERL ISLAND LIGHT Fl. W., 4^{s}	On northeast point of island.	59 07.1	151 38.2	5 100	15	NR on small house	80	Obscured from 311° to 117°.	1920
3397 183	EAST AMATULI ISLAND LIGHT Fl. W., 6^{s} (1^{s}fl)	On detached islet, off east point of island.	58 55.0	151 57.0	8 450	17	NR on skeleton tower	120	Obscured from 076° to 147°.	1921
3397.50 183.20	*Dora Reef Lighted Whistle Buoy 2* Qk. Fl. W.	In 180 feet	59 05.0	151 48.0	100		Red		Ra ref.	
3398	*Chugach Passage Reef Lighted Bell Buoy 2.* Fl. W., 2.5^{s}	In 54 feet, marks reef extending off main shore east of Elizabeth Island.			110		Red			
	Chugach Passage Buoy 3	In 110 feet	59 10.9	151 47.4			Black can		Ra ref. White reflector.	
3400	CHATHAM ISLAND LIGHT Fl. W., 4^{s}	On west point of island, Port Chatham.	59 12.6	151 46.5	6 120	12	NR on square frame	40		1922–1969
3400.50	CAPE ELIZABETH LIGHT Fl. W., 4^{s}	On shore	59 08.9	151 52.5	10 1,300	12	NR on square tower	48		1970
	Port Chatham Buoy 1	In 40 feet, on southeast side of 7-foot rock.					Black can		White reflector.	
3401	FLAT ISLAND LIGHT Fl. W., 6^{s}(1^{s}fl)	On northwest point of island.	59 19.9	151 59.6	8 600	14	NR on small house	70		1915
	PORT GRAHAM (Chart 8589)									
	— Entrance Shoal Buoy 1	In 78 feet, marks shoal about 0.6 mile northwest from Passage Island.					Black can		White reflector.	
3402	—ENTRANCE LIGHT Fl. W., 4^{s}	On north point of Passage Island.	59 22.4	151 53.0	5 100	13	NR on small house	50	Obscured from 313° to 070°.	1909
	—Buoy 3	In 66 feet, on end of reef opposite Passage Island.					Black can		White reflector.	
	Passage Island Spit Buoy 4	In 18 feet, marks easterly edge of shoal.					Red nun		Red reflector.	
	North Spit Buoy 5	In 36 feet, at south end of spit, 0.6 mile inside east end of Passage Island.					Black can		White reflector.	
	South Spit Buoy 6	In 40 feet, marks shoal west of cannery.					Red nun		Red reflector.	
3402.50	POINT POGIBSHI LIGHT Fl. W., 2.5^{s}	On shore	59 25.5	151 53.1	7 250	15	NR on skeleton tower	94		1969
	SELDOVIA BAY (Chart 8589)									
3403	GRAY CLIFF LIGHT Fl. W., 6^{s} (1^{s}fl)	On cliff, east side of entrance to Seldovia Bay.	59 27.2	151 43.2	6 130	14	NR on small house	64	Obscured from 205° to 084° and from 091° to 101°.	1915
3404	*Seldovia Entrance Lighted Buoy 1* Fl. G., 6^{s}(1^{s}fl)	In 36 feet, marks rock off Red Bluff.					Black		Ra ref.	
3405	*Seldovia Entrance Lighted Buoy 2* Fl. R., 4^{s}	In 24 feet, northwest of Watch Point.					Red		Ra ref.	

(1)	(2)	(3)		(4)	(5)	(6)		(7)	
No.	Name Characteristic	Location Lat. N.	Long. W.	Nominal Range Intensity	Geographic Range	Structure Ht. above ground	Ht. above water	Remarks	Year
	COOK INLET								
	SELDOVIA BAY								
06	SELDOVIA ENTRANCE LIGHT .. **Fl. W., R. sector, 4^s**	On end of Watch Point. 59 26.6	151 43.2	W 150 R 35	....	SW on small house	45	Red east of 170°, covers Watch Rock.	1940
06.10	SELDOVIA DOCK NORTH LIGHT. **F. R.**	On dock 59 26.5	151 43.1	....	....	Pole	54	Private aid.	1968
06.20	SELDOVIA DOCK SOUTH LIGHT .. **F. R.**	On dock 59 26.5	151 43.1	....	....	Pole	54	Private aid.	1968
	Seldovia Buoy 4.................	In 24 feet, marks west side of channel		....	....	Red nun......................		Ra ref. Red reflector.	
	Seldovia Buoy 6	In 24 feet, on point of shoal opposite cannery dock.		....	....	Red nun......................		Red reflector.	
407	SELDOVIA BREAKWATER LIGHT. **Fl. W., 2.5^s**	On southwest end of north jetty. 59 26.4	151 43.1	....	....	SW on skeleton tower	22		1963
	KACHEMAK BAY (Chart 8531)								
	Tutka Bay Entrance Buoy 2........	In 60 feet, marks rock awash at low water, near Nubble Point.		....	....	Red nun......................		Red reflector.	
407.70	COHEN ISLAND ROCK LIGHT .... **Fl. W., 4^s**	On rock northerly of Cohen Island. 59 33.1	151 27.8	6 200	14	NR on skeleton tower	79		1969
408	HOMER SPIT LIGHT .... **Fl. W., 6^s (1^{s}fl)**	On Coal Point 59 36.2	151 24.5	6 200	11	On tower on top of hotel roof ...	34		1918–1962
	Homer Breakwater Buoy 2	In 20 feet, marks end of old breakwater. 59 36.3	151 24.7	....	....	Red nun		Red reflector.	
409	HOMER BREAKWATER LIGHT ... **Fl. W., 4^s**	On end of small boat harbor breakwater. 59 36.3	151 24.8	 150	....	NR on square frame...........	20		1962–1965
409.50	GULL ISLAND LIGHT .... **Fl. R., 4^s**	On shore 59 35.2	151 19.6	....	....	NR on skeleton tower	94		1969
410	HALIBUT COVE LIGHT .... **Fl. W., 6^s (1^{s}fl)**	On northeast side of Ismailof Island, south side of entrance to cove, Kachemak Bay. 59 36.1	151 12.8	....	....	NR on small house	70	Obscured from 024° to 119°.	1918
	Halibut Cove Daybeacon	On rock awash, 0.3 mile 154° 30′ from Halibut Cove Light.		....	....	TR on pipe on rock			
3411	HOMER AERO LIGHT .... **Fl. W., 5^s**	.... 59 38.4	151 29.6	....	....	....	118	Obscured from 060° to 076° and 090° to 240°. Maintained by Federal Aviation Agency.	
	COOK INLET [1] (Charts 8553, 8554)								
3412	ANCHOR POINT LIGHT .... **Fl. W., 6^s(1^{s}fl)**	On point, on east side of Cook Inlet. 59 46.2	151 51.8	8 400	12	NR on white slatted tripod	41	Obscured from 174° to 346½°.	1915
3413	NINILCHIK CHANNEL ENTRANCE LIGHT. **Fl. W., 4^s**	On seaward end of north jetty. 60 03.3	151 39.6	6 120	8	NR on square frame structure ...	15	White reflector. Use only with local knowledge.	1962–1968

---

[1] Oil well structures exist in Cook Inlet, from Kalgin Island to the mouth of the Beluga River. (See page XVI).

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	COOK INLET[1]										
3413.50	*Lower Cook Inlet Junction Lighted Bell Buoy CI.* I. Qk. Fl. W.	In 60 feet	60 04.7	152 09.7	....	....	Black and red horizontal bands ..			Maintained from Apr. 1 to Dec. 1.	
3414	CHISIK ISLAND LIGHT .... Fl. W., 4^{s}	On south point of island, entrance to Tuxedni Harbor.	60 05.7	152 33.6	8 400	21	NR on square frame		215		1919–1964
3414.30	KALGIN ISLAND SOUTH LIGHT .. Fl. W., 2.5^{s}	On south end of island.	60 20.8	152 04.5	7 250	14	NR on square frame		65		1967
3414.50	HARRIET POINT LIGHT .... Fl. W., 6^{s}(1^{s}fl)	On shore	60 23.7	152 14.4	600	....	NR on square frame		95	Higher intensity beam up down channel.	1967
3414.70	*Kalgin Island West Channel Lighted Bell Buoy 2.* Fl. R., 2.5^{s}	In 54 feet..........	60 26.9	152 06.5	....	....	Red			Maintained from Apr. 1 to Dec. 1.	
3414.80	DRIFT RIVER TERMINAL SOUTH LIGHT. F. R.	....	60 33.2	152 08.2	....	....	Dolphin		50	Private aid.	1968
3414.85	DRIFT RIVER TERMINAL NORTH LIGHT. F. R.	....	60 33.3	152 08.0	....	....	Dolphin		50	Private aid.	1968
3415	KALGIN ISLAND LIGHT .... Fl. W., 4^{s}	On northeast point of Kalgin Island.	60 29.2	151 50.3	6 200	18	NR on square frame		140	Obscured from 030° to 139°.	1917–1966
3416	KASILOF RIVER RANGE FRONT LIGHT. Qk. Fl. G.	At entrance to Kasilof River.			....	....	KRW on skeleton tower			Use range only with local knowledge. Maintained from May 1 to Nov. 1.	1929–1966
3416.01	KASILOF RIVER RANGE REAR LIGHT. E. Int. G., 6^{s}	10 yards easterly of front light.			....	....	KRW on tripod		23		1966
	Kasilof Entrance Channel Buoys (8)	Marks channel into river.			....	....	Red or black oil drums			Reflectors. Maintained from May 1 to Nov. 1.	
3416.70	*Kasilof Entrance Channel Lighted Buoy 1.* Fl. W., 2.5^{s}	In 28 feet...........	60 23.4	151 23.5	100	....	Black......................			Maintained from May 1 to Nov. 1.	
3418.51	*Kenai Entrance Channel Lighted Buoy 1.* Fl. W., 4^{s}	In 20 feet	60 31.5	151 20.5	100	....	Black			Maintained from May 1 to Nov. 1.	
3418.80	KENAI RIVER RANGE FRONT LIGHT. Qk. Fl. G.	On shore	60 33.0	151 15.8	....	....	KRW on double pole structure . .		40	250 cp on rangeline with lower intensity elsewhere. Maintained from May 1 to Nov. 1.	1968–1971
3418.90	KENAI RIVER RANGE REAR LIGHT. E. Int. G., 6^{s}	On shore, 153 yards 049. from front light.			....	....	KRW on double pole structure . .		66	400 cp visible on range-line only. Maintained from May 1 to Nov. 1.	1968
3418.94	COLLIER PIER SOUTH LIGHT ... F. R.	At south end of pier .	60 40.3	151 23.3	....	....	Dolphin		22	Private aid.	1967
3418.95	COLLIER PIER NORTH LIGHT ... F. R.	At north end of pier . .	60 40.4	151 23.5	....	....	Dolphin		22	Private aid.	1967
3418.96	PHILLIPS LNG DOCK SOUTH LIGHT. Qk. Fl. R.	....	60 40.6	151 23.6	....	....	Dolphin		40	Private aid.	1969
3418.97	PHILLIPS LNG DOCK NORTH LIGHT. Qk. Fl. R.	....	60 40.8	151 23.8	....	....	Dolphin		40	Private aid.	1969
3419	KENAI PIPE LINE COMPANY DOCK SOUTH LIGHT. F. R.	....	60 40.9	151 23.7	200	....	Dolphin.....................		35	Visible in southerly direction. Private aid.	1960–1971

---

[1] Oil well structures exist in Cook Inlet, from Kalgin Island to the mouth of the Beluga River. (See page XVI).

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA						SEVENTEENTH DISTRICT			
	COOK INLET[1]									
)	KENAI PIPE LINE COMPANY DOCK NORTH LIGHT. **F. R.**	....	60 41.1	151 23.9	 200	....	Dolphin	35	Visible in northerly direction. Private aid.	1960–1971
.	EAST FORELAND LIGHT **Fl. W., 6ˢ(1ˢfl)**	On highest point of bluff.	60 43.2	151 24.3	7 300	24	NR on skeleton tower	294	Obscured from 234° to 354°.	1915–1969
	East Foreland Buoy 2	In 40 feet			....	....	Red nun		Red reflector. Maintained from May 1 to Nov. 1.	
	North Middle Ground Shoal Buoy N.	Marks north end of shoal.	60 55.5	151 16.5	....	....	Black and red horizontal bands; can.		White reflector. Maintained from Apr. 15 to Nov. 1.	
3	NORTH FORELAND LIGHT **Fl. W., 4ˢ**	On point, west side of north end of Cook Inlet.	61 02.8	151 10.1	7 300	10	NR on tower on house	21	Obscured from 072° to 229°.	1925–1944
4	*— Lighted Buoy 3* **Fl. W., 2.5ˢ**	In 46 feet	60 59.2	150 52.1	 110	....	Black		Maintained from May 1 to Nov. 1.	
4.30	MOOSE POINT LIGHT **Fl. W., 4ˢ**	On shore	60 57.4	150 41.0	6 200	9	NR on skeleton tower	15		1965
. 50	POINT POSSESSION LIGHT **Fl. W., 6ˢ(1ˢfl)**	On shore	61 02.0	150 24.2	7 250	13	NR on skeleton tower	60		1965–1966
4.70	*— Lighted Buoy 5* **Fl. G., 4ˢ**	In 25 feet	61 07.9	150 24.3	....	....	Black		Maintained from May 1 to Nov. 1	
5	FIRE ISLAND LIGHT **Fl. W., 4ˢ**	On southwesterly point of island.	61 07.6	150 16.8	7 300	9	NR on skeleton tower	15		1913–1965
6	RACE POINT LIGHT **Fl. W., 2.5ˢ**	On bluff on northwest part of Fire Island.	61 10.3	150 12.6	7 250	21	NR on skeleton tower	200		1915–1965
6. 20	FIRE ISLAND RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore	61 10.3	150 12.1	.... 3, 500	....	KRW on pile structure	125	Visible 4° each side of rangeline.	1969
6. 30	FIRE ISLAND RANGE REAR LIGHT. **E. Int. W., 6ˢ**	433 yards 242° from front light.			.... 4, 000	....	KRW on pile structure	166	Visible 4° each side of rangeline.	1969
7	*Knik Arm Shoal Lighted Buoy 7* **Qk. Fl. G.**	In 30 feet, at south edge of shoal.	61 12.2	150 05.2	....	....	Black		Ra ref. Maintained from May 1 to Nov. 1.	
	Knik Arm Shoal North Side Buoy 2	In 34 feet			....	....	Red nun		Maintained from May 1 to Nov. 1.	
27.50	*Point Woronzof Lighted Buoy 8* **Qk. Fl. R.**	In 38 feet			....	....	Red		Ra ref. Maintained from May 1 to Nov. 1.	
27.60	POINT WORONZOF RANGE FRONT LIGHT. **Qk. Fl. W.**	On shore	61 12. 2	150 01. 2	....	....	KRW on pile structure	80	700 cp visible 4° each side of rangeline.	1970
27.70	POINT WORONZOF RANGE REAR LIGHT. **E. Int. W., 6ˢ**	On shore, 277 yards 081°30′ from front light.			....	....	KRW on pile structure	120	800 cp visible 4° each side of rangeline.	1970
28	POINT MACKENZIE LIGHT **Fl. W., 6ˢ(1ˢfl)**	On point	61 14. 3	149 59. 0	6 120	15	NR on square frame	80	Obscured from 106° to 255° and from 258° to 281°.	1944–1966
29	POINT MACKENZIE RANGE FRONT LIGHT. **Qk. Fl. W.**	On point	61 14.4	149 59.3	....	....	Orange diamond daymark on skeleton tower.	95	8, 000 cp visible 5° each side of rangeline.	1963
30	POINT MACKENZIE RANGE REAR LIGHT. **E. Int. W., 6ˢ**	462 yards 061° from front light.			....	....	Orange diamond daymark on skeleton tower.	140	9, 000 cp visible 5° each side of rangeline.	1963
431	ANCHORAGE AERO LIGHT **Fl. W., 10ˢ**	....	61 13.1	149 50.9	....	....	....		Maintained by Federal Aviation Agency.	

---

[1] Oil well structures exist in Cook Inlet, from Kalgin Island to the mouth of the Beluga River. (See page XVI).

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	KODIAK ISLAND (Chart 8556)										
	MARMOT STRAIT										
3432 184	TONKI CAPE LIGHT **Fl. W.**, 4^{s}	On north point of cape, east end of Afognak Island, west side of Marmot Strait.	58 21.2	151 59.1	8 500	14	NR on small house		75		1917
3433	PROKODA ISLAND LIGHT **Fl. W.**, 4^{s}	On southwest point of island.	57 54.7	152 30.2	....	....	NR on small house		40	Obscured from 148° to 274°	1923
	MARMOT BAY										
	Uzinki Narrows Daybeacon	On rock awash near Prokoda Islet.			....	....	Red and white checkered square daymark on pipe.				
	Low Island Reef Buoy 1	In 29 feet, off end of reef northeast of Low Island.			....	....	Black can			White reflector.	
	Three Brothers Reef Buoy 2	In 30 feet, on south side of 2¾ fathom shoal, south of reef.			....	....	Red nun			Red reflector.	
3434	THREE BROTHERS REEF LIGHT **Fl. W.**, 4^{s}	On southwestern most rock of reef.	57 55.5	152 33.1	5 100	11	NR on skeleton tower on concrete pier.		32		1930–1951
3434. 70	*Port Wakefield Lighted Buoy 2* **Fl. W.**, 4^{s}	In 60 feet	57 51.6	152 51.5	130	....	Red			Ra ref.	
	WHALE PASSAGE										
3435	IGKOGNAK ROCK LIGHT **Fl. W.**, 4^{s}	South of Whale Island.	57 54.9	152 46.8	6 150	9	SW on skeleton tower		18		1936–1965
	Yuzhni Point Buoy 2	In 60 feet, marks edge of channel off point.			....	....	Red nun			Red reflector.	
	— Daybeacon	On north side of passage.			....	....	TR on pipe				
	Koniuji Island Buoy 1	In 48 feet			....	....	Black can			White reflector.	
	(For Kupreanof Strait, see No. 3485)										
	KODIAK HARBOR (Chart 8545)										
3436 185	*Williams Reef Lighted Whistle Buoy 1.* **Fl. W.**, $6^{s}(1^{s}$fl)	In 162 feet, 0.9 mile 052° from Williams Reef.			....	....	Black				
3437	*Kodiak North Entrance Lighted Whistle Buoy 3.* **Fl. G.**, $6^{s}(1^{s}$fl)	In 150 feet	57 50.9	152 13.6	....	....	Black				
3438	*Hutchinson Reef Lighted Whistle Buoy 4.* **Fl. R.**, 4^{s}	In 72 feet			....	....	Red				
3439	HANIN ROCK LIGHT **E. Int. W.**, 6^{s}	On southwest rock	57 50.1	152 18.7	7 300	12	White cylindrical house		43		1916
	Kodiak North Entrance Channel Buoy 5.	In 60 feet			....	....	Black can			Ra ref. White reflector.	
3440	*Kodiak North Entrance Channel Lighted Whistle Buoy 7.* **Fl. W.**, 4^{s}	In 96 feet, on northwest side of rock, off Spruce Cape.			....	....	Black				
	Kodiak North Entrance Buoy 8	In 60 feet			....	....	Red nun			Red reflector.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA					SEVENTEENTH DISTRICT				
	KODIAK ISLAND									
	KODIAK HARBOR									
	WOODY ISLAND LIGHT Fl. G., 4s	On bluff, on north side of island. 57 47.8	152 20.2	....	....	NR on square frame		50	Obscured from 228° to 040°.	1931–1964
	Woody Island Channel Buoy 9	In 39 feet		....	....	Black can			White reflector.	
05	*Kodiak Entrance Lighted Bell Buoy.* I. Qk. Fl. W.	In 48 feet 57 47.8	152 21.4	....	....	Red and black horizontal bands.			Ra ref.	
11	*Woody Island Channel Lighted Buoy 10.* Fl. W., 4s	In 70 feet 57 47.2	152 21.6	200	....	Red			Ra ref.	
	Woody Island Channel Buoy 11	In 60 feet		....	....	Black can			White reflector.	
	Woody Island Channel Buoy 12	In 60 feet		....	....	Red nun			Red reflector.	
	Woody Island Channel Buoy 13	In 42 feet		....	....	Black can			White reflector.	
	Cyane Rock Lighted Bell Buoy 3 Fl. W., 4s	In 18 feet, on north side of rock. 57 47.5	152 23.1	5 100	8	Black				
50	KODIAK ELECTRIC ASSOCIATION LIGHT. F. R.	On steel intake 57 47.4	152 23.6	....	....	On a steel structure		5	Private aid.	1966
70	KODIAK FERRY DOCK EAST LIGHT. F. R.	On east end of dock 57 47.3	152 24.0	....	....	Pedestal		18	Private aid.	1968
90	KODIAK FERRY DOCK WEST LIGHT. F. R.	On west end of dock. 57 47.2	152 24.0	....	....	Pedestal		18	Private aid.	1968
	—Buoy 4A	In 30 feet, southeast of rock.		....	....	Red nun			Ra ref.	
	— ENTRANCE EAST LIGHT Fl. R., 4s	On outer end of east breakwater. 57 47.2	152 24.4	....	....	TR on skeleton tower		15		1058–1964
	— ENTRANCE WEST LIGHT Fl. G., 4s	On outer end of west breakwater.		....	....	SW on skeleton tower		18		1958–1964
	— Buoy 4	In 34 feet, at end of reef.		....	....	Red nun			Red reflector.	
	Gull Island Lighted Buoy 5 Fl. W., 4s	In 30 feet 57 47.0	152 25.1	....	....	Black			Ra ref.	
	UNION OIL COMPANY PIER EAST LIGHT. F. G.	On pier 57 47.1	152 25.3	....	....	Dolphin		16	Private aid.	1957
	UNION OIL COMPANY PIER WEST LIGHT. F. G.	On pier		....	....	Dolphin		16	Private aid.	1957
.20	KODIAK CITY DOCK EAST LIGHT. F. R.	.... 57 47.1	152 25.4	....	....	Pedestal		16	Private aid.	1967
7.30	KODIAK CITY DOCK WEST LIGHT. F. R.	.... 57 47.1	152 25.5	....	....	Pedestal		16	Private aid.	1967
.11	*Gull Island Rocks Lighted Buoy 7* Fl. W., 6s(1sfl)	In 60 feet 57 46.6	152 25.8	100	....	Black			Ra ref.	
	ST. PAUL HARBOR									
9	— *Lighted Bell Buoy 14* Fl. R., 4s	In 102 feet 57 44.5	152 24.3	....	....	Red				
	— Buoy 16	In 84 feet		....	....	Red nun			Red reflector.	
0	— ENTRANCE LIGHT Qk Fl. W.	On southwesterly side of south entrance harbor. 57 44.4	152 25.7	6 170	11	NR on small house on skeleton tower.		38		1940
1	— *Lighted Whistle Buoy 17* Fl. G., 4s	In 72 feet		....	....	Black				
	— Buoy 19	In 54 feet		....	....	Black can			White reflector.	

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure / Ht. above ground	Ht. above water	(7) Remarks	Year
					ALASKA				SEVENTEENTH DISTRICT	
	KODIAK ISLAND									
	ST. PAUL HARBOR									
3452	*Puffin Island Reef Lighted Bell Buoy 20.* **Fl. R., 4^s**	In 33 feet, on west end of reef.	57 45.2	152 26.8			Red		Ra ref.	
3453	— *Lighted Bell Buoy 21* **Fl. G., 4^s**	In 30 feet, on northeast side of 4½ fathom rock.					Black			
	WOMENS BAY									
3454	KODIAK AERO LIGHT **Alt. Fl. W. & G., 10^s**	At Naval Station	57 45.0	152 30.1	17 38,000	19		178	Obscured from 300½° to 270½.° Maintained by U. S. Navy.	
	— Entrance Channel Buoy 22	In 38 feet					Red nun		Red reflector.	
3455	— ENTRANCE CHANNEL DIRECTIONAL LIGHT. **F. W., R. and G. sectors.**	On point, southwest of Zaimka Island.	57 43.4	152 28.7	2,500 500		Small white house	43	White when on centerline of channel (bearing 031½°); red when right and green when left of white beam when entering from seaward.	1958
3456	— *Entrance Channel Lighted Bell Buoy 23.* **Fl. W., 4^s**	In 28 feet, at entrance to dredged channel.					Black		Ra ref.	
	— Entrance Channel Buoy 25	In 31 feet					Black can		Ra ref. White reflector.	
3457	— *Entrance Channel Lighted Buoy 26.* **Fl. R., 2.5^s**	In 36 feet, 450 yards 328° from south end of Zaimka Island.					Red		Ra ref.	
3458	— *Entrance Channel Lighted Bell Buoy 27.* **Fl. W., 4^s**	In 26 feet, 30 feet outside channel limit.			100		Black		Ra ref.	
3459	— *Entrance Channel Lighted Buoy 28.* **Fl. R., 4^s**	In 36 feet					Red			
	— Entrance Channel Buoy 29	In 34 feet					Black can		White reflector.	
3460	— *Entrance Channel Lighted Buoy 31.* **Fl. W., 4^s**	In 23 feet					Black		Ra ref.	
3461	— *Entrance Channel Lighted Buoy 33.* **Qk. Fl. W.**	In 29 feet, westerly of Blodgett Island.					Black		Ra ref.	
	— Entrance Channel Buoy 34	In 28 feet					Red nun		Red reflector.	
3462	— *Entrance Lighted Buoy 36.* **Qk. Fl. R.**	In 58 feet, off end of Nyman Spit.					Red			
3463	— *Entrance Channel Lighted Buoy 38.* **Fl. R., 4^s**	In 36 feet					Red		Ra ref.	
	— Middle Shoal Buoy	In 32 feet	57 43.9	152 31.0			Black can		Ra ref. White reflector.	
	CHINIAK BAY									
3464 186	*Humpback Rock Lighted Whistle Buoy 1.* **Fl. W., 4^s**	In 96 feet, 0.6 mile 049½° from Humpback Rock.	57 42.9	152 14.1	100		Black			
	SITKALIDAK STRAIT (Chart 8536)									
3465	PILLAR POINT LIGHT **Fl. W., 4^s**	On islet off the north side of Pillar Point.	57 19.4	152 54.8	5 100	12	NR on small house	40	Obscured from Sitkalidak Strait and entrance to Kiliuda Bay when bearing less than 359°.	1936–1937

	(2) Name	(3) Location		(4) Nominal Range	(5) Geo-graphic	(6) Structure			(7)	
	Characteristic	Lat. N.	Loog. W.	Inteosity	Range		Ht. above ground	Ht. above water	Remarks	Year
						ALASKA			SEVENTEENTH DISTRICT	
	KODIAK ISLAND									
	SITKINAK STRAIT									
	TABLE ISLAND LIGHT .... **Fl. W.,** 4^{s}	On northerly end of Table Island.		7 300	16	NR on small house		106		1936
		57 11.4	152 55.1							
	NUT ISLAND LIGHT .... **Fl. W.,** 4^{s}	On west side of entrance to Port Hobron.		....	....	NR on small house		40		1928 – 1938
		57 12.1	153 09.9							
	BUSH POINT LIGHT .... **Fl. W.,** 4^{s}	On north side of strait, east of Sheep Island.		....	....	NR on skeleton tower		17		1928 – 1964
		57 13.2	153 12.9							
11	*Sheep Island Lighted Buoy 2* .... **Fl. R.,** 4^{s}	In 24 feet, opposite southwest end of island.		....	....	Red			Ra ref.	
	SITKALIDAK PASSAGE LIGHT .. **Fl. W.,** 4^{s}	Northeast of Old Harbor on north side of west end of Sitkalidak Passage.		....	....	NR on skeleton tower		30		1928 – 1938
	Geese Channel Lighted Bell Buoy 4 **Fl. W.,** 2.5^{s}	In 35 feet, at northeast entrance to channel.		 130	....	Red				
	Geese Channel Buoy 2	In 21 feet...........		....	....	Red nun.....................			Red reflector.	
	Geese Channel Lighted Bell Buoy 1. **Fl. W.,** 4^{s}	In 30 feet, marks southwest entrance to channel.		 100	....	Black				
	AIAKTALIK ISLAND LIGHT ...... **Fl. W.,** $6^{s}(1^{s}\mathrm{fl})$	On northernmost part of island.		6 130	13	NR on square frame		57		1949 – 1969
		56 43.9	154 02.9							
	WHIRLPOOL POINT LIGHT ..... **Fl. W.,** $6^{s}(1^{s}\mathrm{fl})$	On north end of Sitkinak Island.		6 180	13	NR on small house on skeleton tower.		51		1947
		56 37.0	154 05.5							
	ALITAK BAY									
	CAPE ALITAK LIGHT .... **Fl. W.,** $6^{s}(1^{s}\mathrm{fl})$	On southern end of cape.		8 450	14	NR on small house .... house.		63	Obscured from 190° to 263°	1930
		56 50.6	154 18.3							
	LAZY BAY LIGHT .... **Fl. W.,** 4^{s}	North side of entrance to bay.		5 100	10	NR on small house		25		1928
		56 53.5	154 12.9							
	Moser Bay Buoy 1	In 27 feet, off north point of Amik Island.		....	....	Black can			White reflector.	
	Moser Bay Buoy 2................	In 54 feet, marks shoal on northeast side of channel.		....	...	Red nun......................			Red reflector.	
	SHELIKOF STRAIT									
7	CAPE UYAK LIGHT .... **Fl. W.,** $6^{s}(1^{s}\mathrm{fl})$	On end of cape		8 400	16	NR on small house		93	Obscured from 269° to 039°.	1931
		57 38.3	154 21.3							
	Wolcott Reef Buoy	In 52 feet, 5 miles 070° from Cape Uyak Light.		....	....	Red and black horizontal bands; nun.			Red reflector.	
	UYAK BAY									
8	HARVESTER ISLAND SPIT LIGHT. **Fl. R.,** 4^{s}	In 12 feet, at end of spit off south end of island.		....	....	TR on square frame on dolphin .		22		1924 – 1964
		57 38.3	153 59.5							
	Larsen Bay Entrance Obstruction Buoy.	In 30 feet...........		....	....	Red and black horizontal bands; nun.			Red reflector.	
	Amook Island Rock Buoy 1........	In 84 feet, close to southwest side of rock near south end of island.		....	....	Black can.....................			White reflector.	

KODIAK ISLAND

UGANIK BAY

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3479	NOISY ISLANDS LIGHT Fl. W., 6^s(1^{s}fl)	On western bluff of outer island.	57 56.0	153 33.6	9	700	15	NR on skeleton tower		90	Obscured from 227° to 319°.	1931
3480	NORTHEAST ARM LIGHT Fl. W., 6^s(1^{s}fl)	On north side of entrance to Northeast Arm.	57 47.1	153 27.1	6	130	13	NR on small house on concrete foundation.		55	Obscured from 139° to 282½°.	1939
3481	STARR POINT LIGHT Fl. W., 4^s	On rock	57 45.4	153 22.0	5	100	11	NR on tower		30		1939 – 1954

KUPREANOF STRAIT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3482	MALINA POINT LIGHT Fl. W., 4^s	On north side of entrance to Kupreanof Strait.	58 02.4	153 21.8	7	300	15	NR on small house		80		1931
	— Buoy	In 50 feet, 3.2 miles 312° from Dry Spruce Bay Light.			....		....	Black and red horizontal bands; can.			Ra ref. White reflector.	
3483	DRY SPRUCE BAY LIGHT Fl. W., 4^s	On small island west of Bare Island.	57 57.3	153 06.3	5	100	14	NR on small house		76		1937
3484	DRY SPRUCE ISLAND ROCK LIGHT. Fl. G., 4^s	On rock, northwest of island.	57 57.9	153 04.1	6	150	7	NR on skeleton tower		13		1937–1966
3485	LAST TIMBER POINT LIGHT Fl. W., 4^s	On southernmost end of Last Timber Point.	57 58.6	152 59.3	5	100	11	NR on small house		35		1942

(For Whale Passage, see No. 3435)

RASPBERRY STRAIT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3486	— LIGHT Fl. W., 6 ^{s}(1^{s}fl)	1 mile northwesterly from Cape Nuniliak, north side of entrance to Raspberry Strait.	58 09.7	153 13.2	6	130	13	NR on small house		50		
3487	DOLPHIN POINT LIGHT Fl. G., 4^s	On northeast side of Raspberry Strait.	58 06.3	153 09.0	....		....	NR on small house		17		1937

SHELIKOF STRAIT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3488	ALLIGATOR ISLAND LIGHT Fl. W., 6^s(1^{s}fl)	Marks entrance to Shuyak Strait.	58 28.3	152 47.6	8	500	14	NR on small house		70		1936

SHUYAK STRAIT

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3488.50 183.50	LATAX ROCKS LIGHT Fl.W., 4^s	On northern group of Latax Rocks.	58 41.4	152 28.9	8	400	11	NR on skeleton tower		37		1966
3489	LIGHTHOUSE POINT LIGHT Fl. W., 4^s	Northernmost point of Afognak Island.	58 29.0	152 39.0	....		....	NR on small house		60	Obscured from 285° to 073½°.	1936

ALASKA PENINSULA
(Charts 8502, 8802)

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
3490	CAGE IGVAK LIGHT Fl. W., 6^s (1^{s}fl)	West side of Portage Bay.	57 26.0	156 01.8	8	400	15	NR on small house			Obscured from 071° to 232°.	1930

(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
ALASKA PENINSULA										
CHIGNIK SPIT LIGHT Fl. W., 4^{s}	On end of spit, on side of Anchorage Bay.	56 18.7	158 23.0	6 150	11	NR on skeleton tower		35	Obscured west of 238°.	1924–1965
PAUL ISLAND LIGHT Fl. W., 4^{s}	On north shore of island.	55 48.6	159 21.2	5 100	10	NR on skeleton tower		20		1934–1966
Egg Island Reef Buoy 2	In 30 feet, marks edge of reef extending southward from Egg Island.	55 49.0	159 21.0	....	....	Red nun			Red reflector.	
SHUMAGIN ISLANDS (Chart 8700)										
CAPE WEDGE LIGHT Fl. W., 6^{s}(1^{s}fl)	On north end of cape Nagai Island.	55 17.5	159 52.8	8 400	13	NR on square frame		60	Obscured from 290° to 072°.	1921–1966
ANDRONICA ISLAND LIGHT Fl. W., 4^{s}	On northeastern point of island.	55 20.9	160 03.6	6 200	17	NR on square frame		115	Obscured from 275° to 291½° and from 317° to 078°.	1929–1965
PIRATE COVE LIGHT Fl. W., 6^{s}(1^{s}fl)	On bluff, north side of entrance to cove, north side of east end of Popof Island.	55 21.8	160 21.6	6 140	15	NR on square frame		85		1923–1965
RANGE ISLAND LIGHT Fl. W., 4^{s}	On northwest point of island.	55 21.4	160 30.3	....	....	NR on skeleton tower		50		1928
Popof Strait Lighted Bell Buoy 1 Fl. G., 2.5^{s}	In 40 feet			....	....	Black				
Unga Reef Buoy 2	In 45 feet			....	....	Red nun			Red reflector.	
Popof Reef Lighted Bell Buoy 3 Fl. G., 4^{s}	In 48 feet			....	....	Black				
SAND POINT LIGHT Fl. W., 4^{s}	On extremity of point.	55 19.3	160 31.6	5 100	10	NR on skeleton tower		20	Obscured from 232° to 332°.	1928
BARALOF BAY LIGHT Fl. W., 4^{s}	On point, north side of entrance.	55 14.5	160 32.1	5 100	13	NR on small house		60	Obscured from 089° to 222°.	1930
Baralof Bay Buoy 1	In 50 feet	55 14.3	160 33.1	....	....	Black can			Ra ref.	
UNGA SPIT LIGHT Fl. W., 6^{s}(1^{s}fl)	On north point of Unga Island.	55 24.6	160 43.5	6 130	12	NR on small house on skeleton tower.		40	Obscured from 280½° to 060°.	1924–1926
ALASKA PENINSULA (Charts 8704, 8703)										
SEAL CAPE LIGHT Fl. W., 4^{s}	3 miles east of cape.	55 21.0	161 15.7	5 100	14	NR on skeleton tower		75	Obscured from 172° to 235°.	1928
UKOLNOI ISLAND LIGHT Fl. W., 6^{s}(1^{s}fl)	On northwest point of island.	55 14.8	161 39.5	6 160	11	NR on square frame		35	Obscured from 238° to 052°.	1943–1966
ARCH POINT LIGHT Fl. W., 4^{s}	On southeast part of point.	55 12.4	161 54.3	....	....	NR on skeleton tower		105	Obscured from 105° to 213°.	1922
Arch Point Rock Buoy	In 108 feet, on west side of rock, 1.5 miles 136° from Arch Point Light.			....	....	Red and black horizontal bands; nun.			Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
					ALASKA					**SEVENTEENTH DISTRICT**	
	ALASKA PENINSULA										
	Moss Cape Spit Daybeacon	On point of Cape.					Red and white checkered square daymark on white slatted tripod.				
	Moss Cape Buoy 1	In 42 feet					Black can			White reflector.	
3505	GOLOI SANDSPIT LIGHT Fl. W., 4^s	On point of spit at northwest point of Goloi Island.	55 06.7	161 55.5	6 150	9	Red and white checkered square daymark on square frame.		17	Obscured from 229° to 328°.	1930–1966
	Iliasik Passage Buoy 2	In 30 feet	55 01.8	161 55.2			Red nun.			Red reflector.	
3506	ILIASIK ISLANDS LIGHT Fl. W., $6^s(1^s fl)$	On south end of Inner Iliasik Island.	55 02.3	161 56.3	6 160	16	NR on square frame		95	Obscured from 120½° to 254°.	1923–1964
3507	BELKOFSKI LIGHT Fl. W., 4^s	On point, southwest of village.	55 04.4	162 03.1	5 100	12	NR on small house		40	Obscured from 089° to 224°.	1925
3508	MORGAN POINT LIGHT Fl. W., 4^s	On west side of entrance to King Cove.	55 02.5	162 20.0	6 150	17	NR on square frame		120	Obscured from 039° to 206°.	1921–1964
	COLD BAY (Chart 8703)										
3509	— *Channel Lighted Buoy 1* Fl. G., 4^s	In 54 feet	55 05.6	162 31.8			Black.			Ra ref.	
3510	KASLOKAN POINT LIGHT Fl. W., 4^s	On point, east side of entrance to Cold Bay.	55 06.4	162 31.5	5 100	9	NR on square frame		15	Obscured from 186½° to 336°.	1941–1967
3511	— *Channel Lighted Buoy 3* Fl. G., 2.5^s	In 54 feet	55 06.7	162 31.9			Black.				
	—Channel Buoy 4	In 48 feet	55 07.2	162 31.5			Red nun			Ra ref. Red reflector.	
3513	DELTA POINT LIGHT Fl. W., 4^s	On spit of west shore of Cold Bay.	55 11.6	162 38.6	6 130	12	NR on skeleton tower		48		1945
	ALASKA PENINSULA (Charts 8703, 8701)										
3514	FOX ISLAND LIGHT Fl. W., $6^s(1^s fl)$	On northwest point of island.	54 57.4	162 26.0	6 130	12	NR on small house		40	Obscured from 280° to 021°.	1922
	Deer Island Shoal Buoy 2	In 54 feet, 1 mile 264° from West Cape, Deer Island.					Red nun			Ra ref. Red reflector.	
3515	*Thin Point Lighted Whistle Buoy* Mo. (A) W.	In 70 feet	54 55.0	162 32.3	300		Black and white vertical stripes.				
3516	UMGA ISLAND LIGHT Fl. W., 4^s	On summit of island	54 48.2	162 43.5	5 100	23	NR on square frame		258		1941
3517	KABUCH POINT LIGHT Fl. W., 4^s	On spit, south end of Isanotski Strait.	54 49.0	163 21.6	6 150	9	NR on square frame		15	Obscured from 174° to 323°.	1923–1964
	Bechevin Bay Daybeacon	On shore	54 59.9	163 29.3			NR on pipe frame			Use only with local knowledge. Maintained from May 1 to Sept. 30.	
3517.50	FALSE PASS LIGHT Fl. W., 4^s	On shore	55 02.6	163 29.8	6 120	11	NR on square frame		40	Use only with local knowledge. Maintained from May 1 to Sept. 30.	

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA						SEVENTEENTH DISTRICT	
	ALEUTIAN ISLANDS							
	KRENITZIN ISLANDS (Chart 9005)							
	AKUN STRAIT LIGHT **Fl. W., 4s**	Westerly side of strait on Race Rocks. 54 08.0 165 39.7	5 100	12	NR on skeleton tower	46		1938
	AKUTAN HARBOR LIGHT **Fl. W., 6s(1sfl)**	On point, north side of entrance to harbor. 54 08.7 165 43.6	....	....	Red and white checkered square daymark on small house.	165	Obscured from 060° to 143½°.	1915
	UNALASKA ISLAND (Charts 9007, 9008)							
	PRIEST ROCK LIGHT **Fl. W., 6s(1sfl)**	At base of rock off Cape Kalekta, Unalaska Island. 54 00.6 166 22.5	6 140	12	NR on white skeleton tower	45	Obscured from 271° to 047°.	1920–1923
	ULAKTA HEAD LIGHT **Fl. W., 4s**	At foot of bluff 53 55.5 166 30.4	5 100	13	NR on red skeleton tower	61	Obscured from 331° to 122°.	1934
	Iliuliuk Bay Entrance Lighted Bell Buoy 2. **Fl. R., 4s**	In 60 feet	....	....	Red		Ra ref.	
3	SPITHEAD LIGHT **Fl. W., 4s**	On north side of entrance to Dutch Harbor. 53 53.9 166 30.8	5 100	11	TR on skeleton tower	38	Obscured in Unalaska Bay when less than 215½°.	1926–1967
	Rocky Point Shoal Buoy 1	In 40 feet, on south side of entrance to Dutch Harbor. 53 53.5 166 31.3	....	....	Black can		White reflector.	
4	*Iliuliuk Reef Lighted Buoy 2* **Fl. R., 4s**	In 30 feet, off south end of reef, north side of east entrance to Iliuliuk Harbor.	....	....	Red		Ra ref.	
	Unalaska Channel Buoy 1	In 18 feet, marks east channel.	....	....	Black can		White reflector.	
	Iliuliuk Harbor Entrance Buoy 4	In 42 feet, marks east channel.	....	....	Red nun		Red reflector.	
	CAPTAINS BAY (Chart 9006)							
	Bailey Ledge Daybeacon	Marks south side entrance to Illiuliuk Harbor South Channel 53 51.6 166 33.4	....	....	Red and white checkered square daymark on pile.			
	ILIULIUK HARBOR (Charts 9006, 9008)							
	— South Channel Buoy 2	In 30 feet	....	....	Red nun		Ra ref. Red reflector.	
	— South Channel Buoy 3	In 30 feet	....	....	Black can		White reflector.	
	UNALASKA ISLAND (Charts 9022, 9009)							
525	CHERNOFSKI HARBOR ENTRANCE LIGHT. **Fl. W., 4s**	On Chernofski Point northeasterly side of entrance to harbor. 53 25.0 167 33.2	5 100	16	Red and white checkered square daymark on square frame.	101	Obscured from 268° to 314½°.	1929–1967
	GREAT SITKIN ISLAND (Chart 9193)							
526 05	SWALLOW HEAD LIGHT **Fl. W., 6s(1sfl)**	On Great Sitkin Island. 52 07.0 176 09.3	6 140	15	NR on white skeleton tower	80	Obscured from 245° to 046°.	1944–1945

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
				ALASKA				SEVENTEENTH DISTRICT	
	ALEUTIAN ISLANDS								
	ADAK ISLAND (Charts 9141, 9119)								
3527	*Kuluk Shoal Lighted Whistle Buoy 2.* **Fl. W., 6ˢ(1ˢfl)**	In 174 feet 51 54.8	176 30.5	....	....	Red..........................			
3528	*Finger Shoal Junction Lighted Bell Buoy.* **I. Qk. Fl. W.**	In 120 feet, 1,000 yards 088° from northernmost Pit Rocks. 51 51.7	176 33.9	....	....	Black and red horizontal bands.		Ra ref.	
3529	GANNET ROCKS LIGHT .... **Fl. W., 4ˢ**	On south end of largest Gannet Rock. 51 52.1	176 36.4	5 100	11	TR on small house	35	Obscured from 102° to 214°.	1945
3530	SWEEPER COVE JETTY LIGHT .. **Qk. Fl. W.**	On end of breakwater . 51 51.7	176 37.6	....	....	TR on white column	16		1945 – 1957
	AMCHITKA ISLAND (Chart 9123)								
	CONSTATINE HARBOR	Lat. N.	Long. E.						
3530.30	—RANGE FRONT LIGHT .... **Qk. Fl. W.**	On shore 51 23.4	179 16.7	....	....	KRW on square frame	110	800 cp on rangeline with lower intensity elsewhere.	1967 – 1968
3530.50	—RANGE REAR LIGHT .... **E. Int. W., 6ˢ(3ˢlt)**	500 yards 235° from front light.		....	....	KRW on square frame	140	1,800 cp on rangeline with lower intensity elsewhere.	1967 – 1968
	— Entrance Buoy 1	In 60 feet		....	....	Black can		White reflector.	
	— Entrance Buoy 2	In 60 feet		....	....	Red nun		Red reflector.	
	BRISTOL BAY (Chart 8802)							The Alaska Department of Fish and Game maintains about twelve, unlisted, lighted buoys in or near Ugashik, Egegik, Kvichak and Nushagak Bays during the fishing season about June 5 to Aug. 15. These buoys, which are orange and white horizontally banded cans showing quick flashing white lights, do not have navigational significanc	
		Lat. N.	Long. W.						
	Port Moller Entrance Buoy.........	In 61 feet........... 56 03.3	160 40.6	....	....	Black and white vertical stripes; can.		White reflector. Maintained from May 1 to Sept. 30.	
	Cape Menshikof Daybeacon	.... 57 29.2	157 56.0	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	
3532	*Ugashik River Entrance Lighted Bell Buoy UR.* **Mo. (A) W.**	In 38 feet.......... 57 37.5	157 52.1	140	....	Black and white vertical stripes.		Maintained from May 1 to Sept. 30.	
3533 209	SMOKY POINT LIGHT .... **Fl. W., 4ˢ**	On north side of entrance to Ugashik Bay. 57 37.5	157 41.5	6 190	12	NR on skeleton tower	45	Maintained from May 1 to Sept. 30.	1927 – 1963

) lo.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	BRISTOL BAY								
	Smoky Point North Daybeacon	.... 57 38.9	157 42.6	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	
	KVICHAK BAY (Chart 9051)								
	Egegik South Daybeacon	.... 58 09.5	157 32.2	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	
5	*Egegik Entrance Lighted Bell Buoy 1.* Fl. W., 2.5s	In 31 feet.......... 58 15.5	157 42.0	 110	....	Black..........................		Maintained from May 1 to Sept. 30.	
39 1	RED BLUFF LIGHT .... Fl. W., 6s(1sfl)	On north side of entrance to Egegik Bay. 58 14.2	157 29.0	6 140	....	Red and white checkered square daymark on square frame.	96	Maintained from May 1 to Sept. 30.	1927–1964
	Egegik North Daybeacon	.... 58 18.1	157 32.5	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	
541 2	MIDDLE BLUFF LIGHT......... Fl. W., 4s	On east side of Kvichak Bay. 58 24.4	157 31.5	6 200	19	Red and white checkered square daymark on square frame.	165	Maintained from May 1 to Sept. 30.	1925–1965
543.11	JOHNSTON HILL CREEK LIGHT . Qk. Fl. W.	On south side, Kvichak Bay. 58 37.2	157 15.1	....	....	On top an A-frame cabin.......	55	Private aid maintained from June 5 to Aug. 15.	1966
48	NAKNEK LIGHT.............. Fl. W., 4s	.... 58 42.5	157 04.8	6 200	14	Red and white checkered square daymark on small house.	78	Maintained from May 1 to Sept. 30.	1934–1950
49	NAKNEK ENTRANCE LIGHT ..... Fl. W., 6s(1sfl)	.... 58 43.4	157 02.8	6 120	16	Red and white checkered square daymark on small house.	104	Maintained from May 1 to Sept. 30.	1944
550	BRISTOL BAY CANNERY LIGHT. F. W.	On water tank 58 45.9	157 03.6	 600	....	Red and white checkered square daymark on water tank tower.	51	Maintained from May 1 to Sept. 30.	1934
52	THE BEND LIGHT .... Fl. R., 4s	On bank at bend 58 50.1	156 59.7	....	....	Red and white checkered square daymark on square frame.	56	Maintained from May 1 to Sept. 30.	1934–1967
553	GRAVEYARD POINT LIGHT ..... Fl. W., 4s	On southeast shore of Kvichak Bay. 58 52.1	157 00.8	6 120	13	Red and white checkered square daymark on white slatted pyramid.	50	Maintained from May 1 to Sept. 30.	1929
554	DUCK CREEK LIGHT .... Fl. W., 6s(1sfl)	.... 58 57.3	157 01.7	6 140	....	Red and white checkered square daymark on square frame.	48	Maintained from May 1 to Sept. 30.	1934–1965
	Tank Creek Daybeacon	.... 58 43.8	157 43.0	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	
	NUSHAGAK BAY (Chart 9052)								
555 13	— *Entrance Lighted Bell Buoy 2*... Fl. W., 6s(1sfl)	In 36 feet, off Etolin Point. 58 33.7	158 24.2	....	....	Red		Maintained from May 1 to Sept. 30.	
563	EKUK RANGE FRONT KIGHT .... Qk. Fl. W.	On shore, off north end of Ekuk Bluff. 58 48.0	158 33.1	....	....	KRW on skeleton tower	20	700 cp on rangeline with lower intensity elsewhere. Maintained from May 1 to Sept. 30.	1962
564	EKUK RANGE REAR LIGHT ..... E. Int. W., 6s	On shore, 1,000 feet 341° from front light.		6 180	12	KRW on skeleton tower	42	1,600 cp on rangeline with lower intensity elsewhere. Maintained from May 1 to Sept. 30.	1962
	Etolin Point Daybeacon	.... 58 39.4	158 19.2	....	....	White slatted tripod		Private aid maintained from June 5 to Aug. 15.	

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	ALASKA									**SEVENTEENTH DISTRICT**	
	BRISTOL BAY										
	NUSHAGAK BAY										
	Protection Point Daybeacon		58 29.6	158 41.7			White slatted tripod			Private aid maintained from June 5 to Aug. 15.	
	Nichols Hills Daybeacon		58 33.8	158 47.2			White slatted tripod			Private aid maintained from June 5 to Aug. 15.	
3564.11	IGUSHIK RIVER LIGHT **Fl. W., 4^s**	On shore	58 40.4	158 51.0	6 150	14	Red and white checkered square daymark on frame structure.		70	Maintained from May 1 to Sept. 30.	1966
	Igushik River North Daybeacon		58 45.8	158 46.6			White slatted tripod			Private aid maintained from June 5 to Aug. 15.	
	Snake River North Daybeacon		58 52.5	158 43.1			White slatted tripod			Private aid maintained from June 5 to Aug. 15.	
	KUSKOKWIM BAY (Chart 9103)										
	— Buoy 1	In 36 feet					Black can			White reflector. Maintained from June 15 to Sept. 30.	
	— Buoy 2	In 30 feet					Red nun			Red reflector. Maintained from June 15 to Sept. 30.	
	— Buoy 4	In 48 feet					Red nun			Red reflector. Maintained from June 15 to Sept. 30.	
	— Buoy 5	In 54 feet					Black can			White reflector. Maintained from June 15 to Sept. 30.	
3565	— *Lighted Buoy 6* **Fl. W., 2.5^s**	In 54 feet	59 34.7	162 16.0	150		Red			Ra ref. Maintained from June 15 to Sept. 30.	
	Kuskokwim River Buoys (about 30)	Mark channel from Pilot Bar to Bethel.					Red or black oil drums			Reflectors. Maintained from June 15 to Sept. 30.	
	BERING SEA (Chart 9302)										
	HOOPER BAY										
	— Spit Daybeacon	On south end of sandpit.	61 30.1	166 05.0			NR on white slatted tripod				
	— Buoy 1	In 27 feet, marks approach to Hooper Bay Channel.					Black barrel			White reflector. Maintained from May 15 to Nov. 15.	
	— Buoy 3	In 30 feet					Black barrel			White reflector. Maintained from May 15 to Nov. 15.	
	— Channel Stakes (about 15)						Red and black			Maintained from May 15 to Nov. 15.	
	NORTON SOUND (Chart 9370)										
	PASTOL BAY AND YUKON RIVER DELTA										
3566	PASTOL BAY RANGE FRONT LIGHT. **F. W.**	On south side of bay, off Apoon Mouth.	63 02.5	163 15.2			Small white house		15	Private aid maintained from from Aug. 1 to Nov. 1.	1909–1950
3567	PASTOL BAY RANGE REAR LIGHT. **F. W.**	200 yards 222° 30′ from front light.					Unpainted arm on pole		12	Private aid maintained from Aug. 1 to Nov. 1.	1909–1953
3568	PASTOLIK RIVER LIGHT **F. W.**	On east side of river, south side of Apoon Mouth.					White arm on pole		16	Private aid maintained from Aug. 1 to Nov. 1.	1909–1953
3569	APOON BAR LIGHT **F. W.**	On south side of channel, Apoon Mouth.					Black arm on pole		12	Private aid maintained from Aug. 1 to Nov. 1.	1911

) o.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	NORTON SOUND									
	PASTOL BAY AND YUKON RIVER DELTA									
	APOON MOUTH LIGHT **F. W.**	On south side of Apoon Mouth. 63 02.6	163 22.3	....	....	On top of white pipe tripod		14	Private aid maintained from Aug. 1 to Nov. 1.	1909–1958
	Apoon Mouth Wreck Buoy WR1	Marks sunken barge 63 02.7	163 21.8	....	....	Black drum			White reflector. Private aid maintained from Aug. 1 to Nov. 1.	
	KOTLIK CROSSING LIGHT **F. W.**	North of Apoon, Pass, on west tip of an islet northeast of Kotlik.		....	....	White arm on white pole		25	Private aid maintained from Aug. 1 to Nov. 1.	1911–1953
2	— JUNCTION LIGHT **F. W.**	On an islet at junction between Apoon and Okwega Passes, Yukon River.		....	....	White arm on white pole with white square daymark.		18	Private aid maintained from Aug. 1 to Nov. 1.	1911–1956
	Apoon Pass Entrance Channel Stakes (about 17).	Mark sides of channel during season of navigation.		....	....	Red or black stakes with small red or black square daymarks.			Private aids maintained from Aug. 1 to Nov. 1.	
	Grass Island Crossing North Daybeacon.	On north bank of Apoon Pass, 1.5 miles above Apoon Mouth Light.		....	....	White circular daymark on pole.			Private aid maintained from Aug. 1 to Nov. 1.	
	Grass Island Daybeacon	On south bank of Apoon Pass, 2.3 miles above Apoon Mouth Light.		....	....	White circular daymark on pole			Private aid maintained from Aug. 1 to Nov. 1.	
	Kotlik Crossing Daybeacon	On south bank of Apoon Pass, 3.5 miles above Apoon Mouth Light.		....	....	White circular daymark on pole.			Private aid maintained from Aug. 1 to Nov. 1.	
	NORTON SOUND (Charts 9370, 9380)									
3	POINT ROMANOF LIGHT **Fl. W., 6^s(1^{s}fl)**	On point 63 12.0	162 50.0	7 300	10	Red and white checkered square daymark on small house.		25	Maintained from July 15 to Nov. 1.	1909–1915
74	CANAL POINT LIGHT **F. W.**	On north side of St. Michael Canal. 63 24.0	162 26.0	....	....	On top of white pipe tripod		16	Private aid maintained from Aug. 1 to Nov. 1.	1908–1953
75 8	CAPE STEPHENS LIGHT **Fl. W., 4^s**	On cape southeast side of Stephens Pass. 63 32.7	162 18.0	6 130	21	Red and white checkered square daymark on small house.		200	Maintained from July 15 to Nov. 1.	1906–1911
76	WHALE ISLAND LIGHT **Fl. W., 4^s**	On east end of island. 63 29.5	161 59.7	....	....	Red and white checkered square daymark on small house.		45	Maintained from July 15 to Nov. 1.	1907–1911
	St. Michael Canal Buoys (about 17).	Mark the dredged entrance to St. Michael Canal.		....	....	Red or black oil drums			Reflectors. Private aids. maintained from Aug. 1 to Nov. 15.	
77 9	EGG ISLAND LIGHT **Fl. W., 6^s(1^{s}fl)**	On highest part of island. 63 36.0	161 43.2	....	15	Red and white checkered square daymark on small house.		90	Maintained from July 15 to Nov. 1.	1933
78	UNALAKLEET AERO LIGHT **Alt. Fl. W. & G., 10^s**	.... 63 52.8	160 47.7	....	....	....			Maintained by Federal Aviation Agency.	
	Unalakleet River Buoys (about 6)	Mark channel into Unalakleet.		....	....	Red or black oil drums			Reflectors. Maintained from Aug. 1 to Nov. 15.	
79	UNALAKLEET RIVER SOUTH SPIT LIGHT. **Fl. W., 4^s**	On sandspit to south of river. 63 52.1	160 47.0	6 140	....	Red and white checkered square daymark on white skeleton tower.		15	Maintained from July 15 to Nov. 1.	1919–1961
80	SHAKTOLIK RIVER ENTRANCE LIGHT. **Fl. W., 4^s**	On end of spit 64 22.8	161 14.0	6 190	9	NR on skeleton tower		14	Maintained from July 15 to Nov. 1.	1961

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
			ALASKA				**SEVENTEENTH DISTRICT**	
	NORTON SOUND							
	Kwiniuk River Entrance Buoys (4)	Mark entrance to river.	....	....	Red or black oil drums		Reflectors. Maintained from July 15 to Nov. 15.	
	Koyuk River Entrance Buoys (about 10).	Mark side of channel across flats; outer buoy about 9 miles off mouth of river.	....	....	Red or black oil drums		Reflectors. Maintained from July 15 to Nov. 15.	
	GOLOVNIN BAY (Chart 9382)							
3581 220	CAPE DARBY LIGHT Fl. W., 6^s(1^sfl)	On west side of cape. 64 20.0 162 48.0	6 130	16	Red and white checkered square daymark on small house.	105	Obscured from 160° to 323°. Maintained from July 15 to Nov. 1.	1931
3582	CAROLYN ISLAND LIGHT Fl. W., 4^s	On north end of island. 64 27.1 162 52.5	5 100	12	TR on small house		Maintained from July 15 to Nov. 1.	1929
3583	—LIGHT Fl. W., 4^s	3.2 miles southeasterly from Golovnin. 64 31.3 162 55.0	5 100	....	TR on small house	40	Higher intensity beam toward Golovnin Lagoon. Maintained from July 15 to Nov. 1. Red reflector.	1923
	— Buoy 1	In 14 feet, at edge of shoal extending from west side of bay, opposite Golovnin Bay Light.	....	....	Black oil drum		White reflector. Maintained July 15 to Nov. 1.	
	Cheenik Spit Buoy 2	In 10 feet	....	....	Red oil drum		Red reflector. Maintained from July 15 to Nov. 1.	
3585	CHEENIK LIGHT Fl. R., 4^s	On end of spit near Golovnin. 64 32.5 163 02.7	....	....	TR on small frame		Maintained from July 15 to Nov. 1.	1924–1964
3586 221	ROCKY POINT LIGHT Fl. W., 4^s	At western entrance to Golovnin Bay. 64 24.0 163 09.0	5 100	19	Red and white checkered square daymark on small house.	175	Maintained from July 15 to Nov. 1.	1936
	NOME HARBOR (Chart 9383)							
3586.70	NOME AIRPORT AERO LIGHT Alt. Fl. W. & G.	.... 64 30.0 165 26.0	....	....	....		Maintained by Federal Aviation Agency.	1965
3587	—EAST JETTY LIGHT Fl. R., 4^s	At outer end of jetty, entrance to Snake River Harbor.	....	....	TR on skeleton tower	18	Maintained from July 15 to Nov. 15.	1924–1965
3588	—WEST JETTY LIGHT Fl. W., 4^s	At outer end of jetty, entrance to Snake River Harbor.	 100	....	SW on skeleton tower	18	Maintained from July 15 to Nov. 15.	1957–1965
3589	—RANGE FRONT LIGHT F. G.	On north side of Snake River, on axis of entrance channel. 64 30.0 165 24.8	6 200		KRW on small house	14	Maintained from July 15 to Nov. 15 by contract.	1920
3590	—RANGE REAR LIGHT F. W.	52 yards 009° from front light.	....	....	KRW on white pyramidal structure.	30	Maintained from July 15 to Nov. 15 by contact.	1920
	GRANTLEY HARBOR (Chart 9369)							
3591	—LIGHT Fl. W., 4^s	On north side of entrance to harbor. 65 16.7 166 20.8	6 120	9	Red and white checkered square daymark on small house.	15	Maintained from July 15 to Nov. 1.	1923
	—Buoy 2	In 18 feet, marks entrance channel.	....	....	Red oil drum		Red reflector. Maintained from July 15 to Nov. 1.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
				ALASKA					SEVENTEENTH DISTRICT	
	NORTON SOUND									
	GRANTLEY HARBOR									
	—Buoy 4	In 12 feet, marks entrance channel.		....	....	Red oil drum			Red reflector. Maintained from July 15 to Nov. 1.	
	—Buoy 6	In 12 feet		....	....	Red oil drum			Red reflector. Maintained from July 15 to Nov. 1.	
	KOTZEBUE SOUND (Chart 9400)									
	CAPE ESPENBERG LIGHT **Fl. W., 2.5^s**	On cape, south side of Kotzebue Sound. 66 35.0	163 40.0	6 130	....	Red and white checkered square daymark on square frame.		25	Maintained from July 15 to Nov. 1.	1923–1964
	Kotzebue Buoys (about 4)	Mark entrance channel to Kotzebue.		....	....	Red or black oil drums			Reflectors. Maintained from July 15 to Nov. 1.	
3	CAPE BLOSSOM LIGHT **Fl. W., 4^s**	On cape 66 43.6	162 32.5	....	....	Red and white checkered square daymark on small house.		200	Maintained from July 15 to Nov. 1.	1945
	CAPE DECEIT LIGHT **Fl. W., 6^s(1^{s}fl)**	On extremity of cape 66 06.0	162 45.0	....	....	Red and white checkered square daymark on small house.		190	Maintained from July 15 to Nov. 1.	1939

HAWAII

FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII ISLAND (Chart 4115)										
3620 G7222	**KAUHOLA POINT LIGHT** . . . . **Alt. Fl. R. & G., 12^{s}** 0.1^{s} R fl., 5.9^{s} ec 0.1^{s} G fl., 5.9^{s} ec.	On point, northern shore of island.	20 15.0	155 46.5	20R 125,000 20G 114,000	17	White cylindrical concrete tower.	85	115		1912–1933
3621 G7218	**Kukuihoele Light** . . . . **Fl. W., 6^{s} (1^{s} fl)**	On northeast shore of island.	20 07.9	155 33.5	13 5,000	19	White pyramidal concrete tower .	34	154		1911–1937
3622 G7214	**Laupahoehoe Point Light** . . . . **Fl. W., 2.5^{s}**	On northeast shore of island.	19 59.8	155 14.6	12 4,000	13	White skeleton tower	36	55		1890–1947
3623 G7212	**Pepeekeo Point Light** . . . . **Occ. W., 4^{s} (3^{s} lt)**	North of Hilo Bay . . .	19 51.0	155 05.1	13 6,000	18	White pyramidal skeleton tower.	75	147		1907–1917
3624 G7210	**Paukaa Point Light** . . . . **Fl. W., 2.5^{s}**	On point north of Hilo Bay.	19 45.9	155 05.5	12 3,000	18	White pyramidal concrete tower . .		145	Obscured from 350° to 190°.	1907–1929
	HILO BAY (Chart 4103)										
3625	*Blonde Reef Lighted Bell Buoy 1BR.* **Fl. W., 2.5^{s}**	In 60 feet	19 44.8	155 05.0	 110	. . . .	Black				
3625.10	— *Lighted Buoy 2* . . . . **Fl. R., 4^{s}**	In 30 feet	19 44.2	155 05.2	. . . .	. . . .	Red				
3626	*Blonde Reef Lighted Buoy 3* . . . . **Qk. Fl. W.**	In 45 feet, southwest of reef.			 140	. . . .	Black				
3627 G7202	KUHIO BAY RANGE FRONT LIGHT. **F. G.**	On roof of shed on Pier 1.	19 44.2	155 03.4	. . . .	. . . .	KRW		70	3,000 cp visible 4° each side of rangeline.	1916–1951
3628 G7202.1	KUHIO BAY RANGE REAR LIGHT. **F. G.**	545 yards 097°30′ from front light.			. . . .	. . . .	KRW on square pyramidal skeleton tower.		124	5,000 cp visible 4° each side of rangeline.	1916–1951
	— Buoy 5	In 42 feet			. . . .	. . . .	Black can			White reflector.	
3629	*Cocoanut Island Reef Lighted Buoy 6.* **Fl. R., 6^{s} (1^{s} fl)**	In 39 feet			. . . .	. . . .	Red				
3630	— *Lighted Buoy 7* . . . . **Fl. W., 2.5^{s}**	In 38 feet			. . . .	. . . .	Black				
	— Buoy 8	In 35 feet			. . . .	. . . .	Red nun			Red reflector.	
	— Buoy 10	In 36 feet			. . . .	. . . .	Red nun			Red reflector.	
	— Buoy 9	In 32 feet			. . . .	. . . .	Black can			White reflector.	
3631	— *Lighted Buoy 11* . . . . **Qk. Fl. W.**	In 36 feet			 130	. . . .	Black				
	— Pier 1 Special Purpose East and West Buoys.	In 35 feet			. . . .	. . . .	Orange and white vertical stripes.			Private aids.	
	— Buoy 12	In 35 feet			. . . .	. . . .	Red nun			Red reflector.	
3632 G7206	WAIAKEA LIGHT . . . . **F. R.**	On old territorial wharf, southeast side of Hilo Bay.	19 43.7	155 04.4	 350	. . . .	NR on pole with cross-arm		47		1906–1947
	Waiakea Creek Channel Daybeacon 1	In 10 feet			. . . .	. . . .	Black square daymark			Green reflector.	
	Waiakea Creek Channel Buoy 2	In 12 feet			. . . .	. . . .	Red nun			Red reflector.	
	HAWAII ISLAND										
3633 G7208	HILO BAY AERO LIGHT . . . . **Alt. Fl. W. & G., 10^{s}**	At General Lyman Airport.	19 43.3	155 03.8	. . . .	. . . .	. . . .			Maintained by Hawaii Aeronautics Commission.	

.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII ISLAND									
	CAPE KUMUKAHI LIGHT **Fl. W., 6ˢ**	On end of cape 19 31.2	154 48.8	24 500,000	19	White square pyramidal skeleton tower.	124	165		1929–1934
42	**Ka Lae Light** **Fl. W., 6ˢ(1ˢfl)**	On southern point of 18 54.9	155 41.1	9 800	14	White pyramidal skeleton tower	45	73		1906–1928
.11	MILOLII POINT LIGHT **Fl. W., 4ˢ**	On point 19 11.5	155 54.6	6 200	12	NR on concrete tower	20	44		1965
6	**Napoopoo Light** **Fl. W., 6ˢ(1ˢfl)**	On Cook Point 19 28.9	155 56.3	7 300	10	White pyramidal concrete tower	22	25	Obscured in Kealakekua Bay when bearing is less than 291°.	1908–1922
42	KEAUHOU BAY LIGHT **Fl. G., 4ˢ**	On shore 19 33.9	155 57.9	7 250	11	Pole	30	35		1962–1967
8.11	KEAUHOU BAY ENTRANCE DIRECTIONAL LIGHT. **F. W., R. & G. sectors.**	On same structure as Keauhou Bay Light.		15W 14,000 11R&G 2,500	10	Pole	20	25	White when on centerline of channel (bearing 066°); red when right and green when left of white beam when entering from seaward.	1965
9 234	**Kailua Light** **Fl. W., 2.5ˢ**	On Kukailimoku Point, north entrance to Kailua Bay. 19 38.5	156 00.2	12 4,500	11	White pyramidal concrete tower.		32		1909–1951
9.10	KEAHOLE AERO LIGHT **Alt. Fl. W. & G.**	.... 19 44.3	156 02.3	....	....	....			Maintained by Hawaii Aeronautics Comission.	1971
	HONOKAHAU HARBOR									
40.12	—*Approach Lighted Buoy H.* **Mo. (A) W.**	In 70 feet 19 40.2	156 01.9	 100	....	Black and white vertical stripes.				
40.15	—ENTRANCE CHANNEL DIRECTIONAL LIGHT. **Occ. W., R.&G. sectors, 4ˢ(3ˢlt)**	On shore 19 40.4	156 01.7	9W 700	10	Pole		27	White 2° each side of centerline of channel (bearing 060°); red when right and green when left of white beam when entering from seaward.	1970
40.21	—ENTRANCE CHANNEL LIGHT 3. **Fl. W., 2.5ˢ**	On breakwater 19 40.4	156 01.8	8 600	10	Black square daymark on pole		25	Green reflector.	1970
40.23	—CHANNEL LIGHT 4 **Fl. R., 6ˢ(1ˢfl)**	On breakwater		8 600	10	TR on pole		25		1970
40.25	—CHANNEL LIGHT 5 **Fl. G., 6ˢ(1ˢfl)**	On breakwater		8 600	10	Black square daymark on pile		25	Green reflector.	1970
	HAWAII ISLAND									
641 G7232	**Keahole Point Light** **Fl. W., R. sector, 6ˢ(1ˢfl)**	On westernmost point of island. 19 43.9	156 03.8	8W 600 6R 170	12	White pyramidal concrete tower.	33	43	Red from 185° to 343°. covers rocks off Makolea and Kaiwi Points.	1906–1915
642 G7228	**Kawaihae Light** **Fl. W., 6ˢ(1ˢfl)**	0.2 mile northwest from village, Kawaihae Bay. 20 02.7	155 50.1	9 800	13	White pyramidal concrete tower	36	59		1906–1915

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII							FOURTEENTH DISTRICT	
	HAWAII ISLAND								
	KAWAIHAE HARBOR (Chart 4167)								
3643	—*Entrance Lighted Buoy 1* Fl. W., 4^{s}	In 44 feet		 160		Black		Ra ref.	
3644	—*Entrance Lighted Buoy 2* Fl. R., 4^{s}	In 60 feet 20 02.6	 155 50.6			Red		Ra ref.	
3645 G7229	—CHANNEL RANGE FRONT LIGHT. F. G.	On shore 20 02.2	 155 49.7			KRW on skeleton tower 33	 45	1,700 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1958–1959
3646 G7229.1	—CHANNEL RANGE REAR LIGHT. F. G.	On shore, 233 yards 120° from front light.				KRW on skeleton tower 60	 71	4,500 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1958–1959
3647	—*Channel Lighted Buoy 3* Fl. G., 4^{s}	In 40 feet				Black		Ra ref.	
	—Channel Buoy 4	In 40 feet				Red nun		Ra ref. Red reflector.	
	—Channel Buoy 5	In 30 feet 20 02.5	 155 50.1			Black can		Ra ref. White reflector.	
3649	—*Channel Lighted Buoy 6* Fl. W., 2.5^{s}	In 40 feet				Red		Ra ref.	
3650 G7230	—CHANNEL LIGHT 8 Fl. R., 2.5^{s}	In 6 feet, 15 yards outside channel limit.				Red dolphin	 15		1958
3651	—*Channel Lighted Buoy 10* Fl. R., 2.5^{s}	In 35 feet				Red			
	—Channel Buoy 12	In 35 feet				Red nun		Red reflector.	
	—Channel Daybeacon 14	In 6 feet				TR on pile			
	HAWAII ISLAND								
3652 G7226	**Mahukona Light** Fl. W., 4^{s}	On south side of anchorage. 20 11.0	 155 54.3	6 200	13	White pyramidal concrete tower. 22	 64		1907–1915
3653 G7224	UPOLU POINT AERO LIGHT. Alt. Fl. W., & G., 10^{s}	On north end of island. 20 15.9	 155 51.8					Maintained by the Hawaii Aeronautics Commission.	
	MAUI ISLAND (Chart 4116)								
3654 G7270	**Nakolele Point Light** Fl. W., 2.5^{s}	On Northernmost point of island. 21 01.9	 156 35.6	7 250	18	NR on pole	 141	Visible from 106° to 301°.	1908–1970
3655	*Waihee Reef Lighted Buoy 2* E. Int. W., 6^{s}	In 90 feet 20 55.9	 156 28.7	 225		Red		Ra ref.	
	KAHULUI HARBOR (Chart 4124)								
3656 G7274	—ENTRANCE RANGE FRONT LIGHT. F. R.	On shore at Kahului. 20 53.6	 156 28.5			KRW on skeleton tower	 49	3,500 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1930
3657 G7274.1	—ENTRANCE RANGE REAR LIGHT. F. R.	470 yards 177° from front light.				KRW on skeleton tower	 91	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1930
3658 G7280	—ENTRANCE EAST BREAKWATER LIGHT. Fl. W., R. sector, 6^{s}(1^{s}fl)	On outer end of East Breakwater. 20 54.2	 156 28.5	7W 300 5R 90	11	Pole on white house	 35	Red from 218° to 303°.	1957–1970

(1) No.	(2) Name / Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII						FOURTEENTH DISTRICT	
	MAUI ISLAND							
	KAHULUI HARBOR							
659 *7282*	— ENTRANCE WEST BREAKWATER LIGHT. **Fl. W., R. sector, 2.5ˢ**	On outer end of West Breakwater.	7W 250 5R 70	11	Pole on white house	35	Red from 066° to 167°.	1957–1970
	— Entrance Buoy 1	In 35 feet			Black can		White reflector.	
	— Entrance Buoy 2	In 35 feet			Red nun		Red reflector.	
	— Buoy 3	In 35 feet			Black can		White reflector.	
	— Buoy 4	In 35 feet			Red nun		Red reflector.	
3660	— *Lighted Buoy 6* **Fl. R., 4ˢ**	In 35 feet			Red			
	— Buoy 8	In 35 feet			Red nun		Red reflector.	
661	— *Lighted Buoy 10* **Fl. R., 4ˢ**	In 35 feet			Red			
	MAUI ISLAND							
662 *7278*	KAHULUI AERO LIGHT **Alt. Fl. W. & G., 10ˢ**	East of Kahului 20 54.0 156 26.0					Visible from 136° to 232°. Maintained by Hawaii Aeronautics Commission.	
3663 *G7286*	**PAUWELA POINT LIGHT** **Fl. W., 15ˢ**	On point east side of approach to Kahului Harbor. 20 56.9 156 19.5	26 1,000,000	19	White pyramidal skeleton tower 47	169		1910–1937
3664 *G7256*	**Kauiki Head Light** **Fl. W., 2.5ˢ**	On Puu Kii, easternmost point of island. 20 45.6 155 58.9	7 250	15	White pyramidal concrete tower 14	85		1908–1914
	HANA BAY (Chart 4113)							
	— Range Front Daybeacon	On shore at Hana 20 45.6 155 59.2			White diamond daymark with red vertical stripe on pole.		Private aid.	
	— Range Rear Daybeacon	80 yards 241°15′ from front daybeacon.			White diamond daymark with red vertical stripe on pole.		Private aid.	
	MAUI ISLAND (Chart 4130)							
3665 *G7258*	**Honamanioa Light** **Fl. W., 4ˢ**	On Cape Hanamanioa, southwest point of island. 20 35.2 156 24.9	8 400	14	White skeleton tower 21	73	Obscured from 132° to 283°.	1918–1962
	LA PEROUSE BAY							
3665.01	— *Approach Lighted Buoy A* **Mo. (A) W.**	In 24 feet 20 36.1 156 25.4			Black and white vertical stripes.		Private aid.	
	— Entrance Rock Buoy	Marks outcrop 20 36.0 156 25.4			White can with orange diamond worded ROCK.		Private aid.	
	— Channel Buoys 1, 2, 3, 4, 5, 6, 8.	In 10 feet			Odd numbered, black can; even numbered, red nun.		Private aids.	
	MAUI ISLAND							
3666 *G7254*	**Molokini Island Light** **Fl. W., 2.5ˢ**	2.5 miles off Maui Island. 20 38.0 156 30.0	7 250	20	White skeleton tower	188		1911–1947
3666.11	McGREGOR POINT LIGHT **E. Int. G., 6ˢ**	On point, northwest side of Maalaea Bay. 20 46.8 156 31.6	8 450	14	White tower 22	72		1965

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	MAUI ISLAND										
	MAALAEA BASIN (Chart 4104)										
3667 G7262	—RANGE FRONT LIGHT F. R.	On shore	20 47.7	156 30.8	....	....	Yellow diamond daymark with red		23	Private aid.	1955–1960
3668 G7262.1	—RANGE REAR LIGHT F. R.	82 yards 339° from front light.			....	....	Yellow diamond daymark with red vertical stripe on pole.		30	Private aid.	1955
	—Channel Buoy 2	In 12 feet			....	....	Red nun			Private aid.	
	—Channel Daybeacon 3	In 12 feet			....	....	Black pile			Private aid.	
	Maalaea East Basin Buoy 4	In 12 feet			....	....	Red nun			Private aid.	
	Maalaea East Basin Buoy 6	In 10 feet			....	....	Red nun			Private aid.	
	Maalaea East Basin Daybeacon 7	On southwest end of wharf.			....	....	SB on pole			Private aid.	
	Maalaea East Basin Daybeacon 8	On southeast end of wharf.			....	....	TR on pole			Private aid.	
	—Buoy	In 12 feet			....	....	Black and red horizontally banded; can.			Private aid.	
	Maalaea West Basin Buoy 2W	In 7 feet			....	....	Red nun			Private aid.	
	MAUI ISLAND (Chart 4130)										
3669 G7266	**Lahaina Light** Fl. R., 7.5^{s}	In Lahaina Anchorage, northwest part of island.	20 52.5	156 40.9	12 4,500	12	White pyramidal concrete tower.	39	44	Obscured from 142° to 333°.	1905–1916
3669.15	*Lahaina Entrance Lighted Buoy L* Mo. (A) W.	In 54 feet	20 52.3	156 41.2	140	....	Black and white vertical stripes.			Ra ref.	
	LAHAINA BOAT BASIN										
3670 G7267	—RANGE FRONT LIGHT F. G.	In 1 foot	20 52.5	156 40.9	....	....	KBW on pile		12	Private aid.	1955–1968
3671 G7267.1	—RANGE REAR LIGHT F. G.	On shore, 50 yards 044°26′ from front light.			....	....	KBW on pole		18	Private aid.	1955–1968
	—Buoy 1	In 13 feet			....	....	Black spar			Private aid. Green reflector.	
	—Buoy 2	In 15 feet			....	....	Red spar			Private aid. Red reflector.	
	—Buoy 3	In 9 feet			....	....	Black spar			Private aid. Green reflector.	
	—Buoy 4	In 10 feet			....	....	Red spar			Private aid. Red reflector.	
	—Buoy 5	In 8 feet			....	....	Black spar			Private aid. Green reflector.	
	—Buoy 6	In 14 feet			....	....	Red spar			Private aid. Red reflector.	
	MAUI ISLAND										
3673	**Hawea Point Light** Fl. W., 6^{s} (1^{s}fl)	On northwest point of island.	21 00.4	156 40.2	9 900	14	NR on pyramidal skeleton tower.		75		1911
	KAHOOLAWE ISLAND (Chart 4130)										
3674 G7252	**Kahoolawe Southwest Point Light** Fl. W., 6^{s} (1^{s}fl)	On southwest point of Kahoolawe Island.	20 30.3	156 40.2	7 300	18	White skeleton tower	40	140	Obscured over Kealaikahiki Point north of 123°.	1928–1952
	LANAI ISLAND (Chart 4130)										
3675.11	POHAKULOA POINT LIGHT Fl. W., R. sector, 6^{s} (1^{s}fl)	On shore	20 55.9	156 59.5	9W 800 6R 250	10	NR on pole		30	Red from 268½° to 276½°.	1968

) o.	(2) Name Characteristic	(3) Location		(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure			(7)	
			Lat. N.	Long. W.			Ht. above ground	Ht. above water	Remarks	Year
	LANAI ISLAND									
5 4	PALAOA POINT LIGHT Fl. W., R. sector, 6^s(1^sfl)	On cape on south side of island.	20 44. 1	156 58. 0	7W 300 5R 90	15	White skeleton tower		91	Red sector, covers rocks off point southwest of Manele Bay.	1934
6. 11	*Manele Bay Lighted Buoy 2* Fl. W., 4^s	In 50 feet	20 44.5	156 53. 0	 160	....	Red				
6. 15	MANELE BAY BREAKWATER LIGHT. Fl. G., 4^s	On end of breakwater.	20 44. 7	156 53. 4	6 110	9	Pole on white house	10	20		1965
7 18	**Kaumalapau Light** Fl. W., 4^s	On point on south side of entrance to harbor.	20 47. 2	156 59. 7	6 200	14	White house	13	66	Obscured from 180° to 000°.	1925
	KAUMALAPAU HARBOR (Chart 4122)										
8 320	—BREAKWATER LIGHT Fl. G., 4^s	On outer end of breakwater, north side of entrance to harbor.	20 47. 3	156 59. 7	....	....	NR on pole		20		1924–1963
	— Buoy 2	In 57 feet			....	....	Red nun			Red reflector.	
	— Buoy 4	In 35 feet			....	....	Red nun			Red reflector.	
	MOLOKAI ISLAND (Chart 4120)										
9 90	KALAUPAPA RANGE FRONT LIGHT. F. R.	On breakwater at Kalaupapa.	21 11. 5	156 59. 2	....	....	....		25	Private aid. Lighted only when required.	1934 –1937
0 290. 1	KALAUPAPA RANGE REAR LIGHT. F. R.	On corner of warehouse, 25 yards 109° from light.			....	....	....		39	Private aid. Lighted only when required.	1934
31 292	**MOLOKAI LIGHT** Fl. W., 10^s	North part of Makanalua Peninsula.	21 12. 8	156 58. 3	28 2,000, 000	21	White octagonal pyramidal tower.	138	213		1909
31. 50	KAAMOLA POINT LIGHT Fl. W., 2.5^s	On shore	21 03. 2	156 51. 1	8 600	10	NR on pole		23		1968
32	*Kamalo Harbor Lighted Buoy 2* Fl. W., 4^s	In 90 feet, on east side of entrance to harbor, at southwest point of island.	21 02. 1	156 52. 7	 100	....	Red			Ra ref.	
	Kamalo Harbor Daybeacon	At end of spit of reef, 168 yards 196° from southwest corner of wharf.			....	....	TR			Red reflector.	
83	*Kaunakakai Lighted Buoy 2* Fl. R., 4^s	In 79 feet, off entrance to harbor.	21 04. 8	157 02. 1	....	....	Red				
	KAUNAKAKAI HARBOR (Chart 4121)										
84 306	— ENTRANCE RANGE FRONT LIGHT. F. R.	In village	21 05.5	157 01. 7	....	....	KRW on skeleton tower on house.		27	4, 000 cp visible 4° each side of rangeline.	1907 –1912
85 306. 1	— ENTRANCE RANGE REAR LIGHT. F. R.	200 yards 034° from front light.			....	....	KRW on skeleton tower		40	5, 000 cp visible 4° each side of rangeline.	1905 –1934
	— Buoy 3	In 32 feet			....	....	Black can			White reflector.	
	— Buoy 4	In 33 feet			....	....	Red nun			Red reflector.	
	— Buoy 5	In 24 feet			....	....	Black can			White reflector.	
86 294	MOLOKAI AERO LIGHT Alt. Fl. W. & G., 10^s	On top of control tower.	21 09.6	157 05. 7	....	....	....			Maintained by Hawaii Aeronautics Commission.	
87 296	**Laau Point Light** Fl. W., 2.5^s	On bluff near point, southwest end of island.	21 06. 2	157 18. 5	8 600	19	White pyramidal skeleton tower.	19	151	Obscured from 189° to 286°.	1882 –1912

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground / Ht. above water	(7) Remarks	Year
	OAHU ISLAND (Chart 4110)						
3688 *G7324*	**Pyramid Rock Light** **Occ. W., $4^{s}(3^{s}\text{lt})$**	On northwest point of Mokapu Peninsula. 21 27.9 157 46.0	13 6,000	16	White square concrete house with black diagonal stripes. 101		1941
	KANEOHE BAY (Chart 4134)						
	— Entrance Buoy KB	In 123 feet, at entrance to north channel. 21 31.3 157 48.5			Red nun	Red reflector.	
	— Channel Buoy 1	In 72 feet			Black can	White reflector.	
	— Channel Buoy 2	In 52 feet			Red nun	Ra ref.	
	— Channel Buoy 3	In 21 feet			Black can	White reflector.	
	— Channel Buoy 4	In 42 feet			Red nun	Red reflector.	
	— Channel Buoy 3A	In 30 feet			Black can	Ra ref. White reflector.	
	— Channel Buoy 4A	In 30 feet			Red nun	Red reflector.	
	— Channel Buoy 5	In 42 feet			Black can	White reflector.	
	— Channel Buoy 6	In 42 feet			Red nun	Red reflector.	
	— Channel Buoy 7	In 35 feet, at inside bend of channel.			Black can	White reflector	
	— Channel Buoy 8	In 32 feet, at outside bend of channel.			Red nun	Red reflector.	
	— Channel Buoy 9	In 42 feet			Black can	White reflector.	
	— Channel Buoy 10	In 33 feet			Red nun	Red reflector.	
	— Channel Buoy 11	In 38 feet			Black can	White reflector.	
	— Channel Buoy 12	In 48 feet			Red nun	Red reflector.	
	— Channel Buoy 13	In 45 feet			Black can	White reflector.	
	— Channel Buoy 14	In 42 feet			Red nun	Red reflector.	
	— Channel Buoy 15	In 42 feet			Black can	White reflector.	
	— Channel Buoy 16	In 41 feet			Red nun	Red reflector.	
	— Channel Buoy 17	In 46 feet			Black can	White reflector.	
	— Channel Buoy 18	In 42 feet			Red nun	Red reflector.	
	— Channel Buoy 19	In 42 feet			Black can	White reflector.	
	— Channel Buoy 20	In 45 feet			Red nun	Red reflector.	
	— Channel Buoy 21	In 44 feet			Black can	White reflector.	
	— Channel Buoy 23	In 42 feet			Black can	White reflector.	
3690	— *Channel Lighted Buoy 24* **Fl. R., 4^{s}**	In 42 feet			Red		
	— Channel Buoy 25	In 59 feet			Black can	White reflector.	
	— Channel Buoy 26	In 51 feet			Red nun	Red reflector.	
3691	— *Channel Lighted Buoy 27* **Fl. G., 4^{s}**	In 48 feet			Black		
	— Sailing Course Buoys A, B, C, D, E.	In 31 to 42 feet			Orange and white vertical stripes; sphere.	Private aids.	
	HEEIA-KEA APPROACH						
	— Buoy 1	In 42 feet 21 27.0 157 48.6			Black can	White reflector.	
	— Buoy 2	In 42 feet			Red nun	Red reflector.	
	KANEOHE PASSAGE						
	— Entrance Buoy 1	In 42 feet 21 28.3 157 46.8			Black can	White reflector.	
3692	— *Entrance Lighted Buoy 2* **Fl. W., $6^{s}(1^{s}\text{fl})$**	In 44 feet	200		Red	Ra ref.	

) o.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII						FOURTEENTH DISTRICT	
	OAHU ISLAND KANEOHE PASSAGE							
3	— RANGE FRONT LIGHT **F. G.**	On low dike 21 26.3 157 48.5	....	....	KRW on concrete pole	38	4,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1943 – 1967
4	— RANGE REAR LIGHT **F. G.**	475 yards 217° from front light.	....	....	KRW on pyramidal skeleton tower.	80	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1943
	— Buoy 3	In 18 feet	....	....	Black can		White reflector.	
	— Buoy 4	In 26 feet	....	....	Red nun		Red reflector.	
5	— *Lighted Buoy 5* **Fl. W., 4ˢ**	In 12 feet, at junction with Kaneohe Bay Utility Channel.	....	....	Black			
	— Buoy 6	In 12 feet	....	....	Red nun		Red reflector.	
	— Buoy 7	In 12 feet	....	....	Black can		White reflector.	
	— Buoy 8	In 18 feet	....	....	Red nun		Red reflector.	
	KANEOHE BAY UTILITY CHANNEL							
6	— *Lighted Buoy 1* **Fl. G., 4ˢ**	In 10 feet 21 27.4 157 47.2	....	....	Black			
7	— *Lighted Buoy 2* **Fl. R., 4ˢ**	In 10 feet	....	....	Red			
8	— *Lighted Buoy 3* **Fl. G., 4ˢ**	In 10 feet 21 27.3 157 47.1	....	....	Black			
9	— *Lighted Buoy 4* **Fl. R., 4ˢ**	In 10 feet 21 27.3 157 47.2	....	....	Red			
0	— *Lighted Buoy 5* **Qk. Fl. W.**	In 10 feet 21 27.2 157 47.0	....	....	Black			
1	— *Lighted Buoy 6* **Fl. R., 4ˢ**	In 17 feet 21 27.2 157 47.1	....	....	Red			
1. 10	*Makai Lighted Buoy A* **Fl. W., 4ˢ**	In 200 feet 21 20.6 157 39.4	....	....	Orange and white horizontal bands, can.		Private aid.	
1. 11	*Makai Lighted Buoy B* **Fl. W., 4ˢ**	In 200 feet 21 20.7 157 39.3	....	....	Orange and white horizontal bands, can.		Private aid.	
01. 12	*Makai Lighted Buoy C* **Fl. W., 4ˢ**	In 200 feet 21 20.6 157 39.2	....	....	Orange and white horizontal bands, can.		Private aid.	
01. 13	*Makai Lighted Buoy D* **Fl. W., 4ˢ**	In 200 feet 21 20.5 157 39.3	....	....	Orange and white horizontal bands, can.		Private aid.	
01. 14	*Makai Lighted Buoy E* **Fl. W., 4ˢ**	In 200 feet 21 20.6 157 39.3	....	....	Orange and white horizontal bands, sphere.		Private aid.	
	MAKAI CHANNEL							
	— Buoy 2	In 19 feet 21 19.4 157 40.2	....	....	Red nun		Private aid.	
	— Daybeacon 3	In 12 feet 21 19.3 157 40.2	....	....	SB on pile		Private aid.	
01.53	— LIGHT 4 **Fl. R., 4ˢ**	In 11 feet 21 19.4 157 40.2	....	....	TR on pile		Private aid.	1969
	— Daybeacon 5	In 12 feet 21 19.3 157 40.3	....	....	SB on pile		Private aid.	
01.54	— RANGE FRONT LIGHT **F. Amber**	In 3 feet 21 19.3 157 40.3	....	....	KRW on pile	28	Private aid.	1969
01.55	— RANGE REAR LIGHT **F. Amber**	On shore, 400 feet 211° 46′ from front light.	....	....	Red rectangular daymark with white vertical stripe on pole.	51	Private aid.	1969

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII									**FOURTEENTH DISTRICT**	
	OAHU ISLAND										
	MAKAI CHANNEL										
	— Daybeacon 7	In 12 feet	21 19.3	157 40.3	....	....	SB on dolphin			Private aid.	
3702 G7326	**MAKAPUU POINT LIGHT** **Occ. W., 10^{s} (8^{s}lt)** Resident Personnel.	On Makapuu Head, southeast point of island.	21 18.8	157 39.1	20 115,000	28	White cylindrical concrete tower.	46	420	Obscured west of 011°, and may be obscured westward of 154° by points northward of light. RADIOBEACON: Antenna 670 feet 230° from light tower. See p. XVII for method of operation.	1909
	KOKO HEAD										
	— Buoy K	In 18 feet	21 16.2	157 43.4	....	....	Black and white vertical stripes; can.			Private aid.	
	— Channel Daybeacons 1, 2, 3, 5, 6, 7, 8, 10, 11, 14, 15.	In 8 to 14 feet			....	....	Odd numbered, SB on pile; even numbered, TR on pile.			Private aids.	
	MAUNALUA BAY										
	— Buoy M	In 11 feet	21 16.6	157 43.1	....	....	Black and white vertical stripes; sphere.			Private aid.	
	— Daybeacons 1, 2, 3, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17.	In 3 to 13 feet			....	....	Odd numbered black rectangular daymark on pile; even numbered, red triangular daymark on pile.			Odd numbered, green reflector; even numbered, red reflector. Private aids.	
	Kuapa Entrance Channel Buoy 2	In 9 feet located	21 16.9	157 42.9	....	....	Red nun			Private aid.	
	Kuapa Entrance Channel Buoy 3	In 9 feet			....	....	Black can			Green reflector. Private aid.	
	Kuapa Entrance Channel Buoy 4	In 9 feet			....	....	Red nun			Private aid.	
	OAHU ISLAND (Chart 4132)										
3703 G7328	**DIAMOND HEAD LIGHT** **Gp. Occ. W., R. sector, 10^{s}** 2^{s}lt., 1.5^{s}ec. 5^{s}lt., 1.5^{s}ec. 2 eclipses.	On southwest side of head.	21 15.5	157 48.7	17W 35,000 14R 8,000	18	White pyramidal concrete tower.	55	147	Visible southward of 272° and 110°; red from 099° to 110°. Special Direction Finder Calibration Service, see p. XIX.	1899–1917
3704	*Diamond Head Reef Lighted Buoy 2.* **Fl. R., 4^{s}**	In 90 feet, off south side of reef.	21 15.0	157 49.1	....	....	Red				
3706	*Waikiki Wreck Lighted Buoy WR* **Qk. Fl. G.**	In 30 feet, 150 yards south southwest from last reported position of wreck.	21 16.7	157 50.7	....	....	Black			Ra ref. Marks wreck of sunken barge.	
	KAISER BOAT CHANNEL										
	— Daybeacons 1, 2, 3, 4	In 2 to 5 feet. Daybeacon 1 located	21 16.9	157 50.6	....	....	Odd numbered, black triangular daymark on pole, even numbered, red triangular daymark on pole.			Private aids.	
	ALA WAI BOAT HARBOR (Chart 4132)										
3707	— *Entrance Lighted Buoy A* **Mo. (A) W.**	In 48 feet	21 16.9	157 51.0	 400	....	Black and white vertical stripes.			Ra ref.	

HAWAII FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OAHU ISLAND										
	ALA WAI BOAT HARBOR										
8 332	— CHANNEL RANGE FRONT LIGHT. F. Amber	On shore	21 17.5	157 50.8	....	....	White diamond daymark with orange vertical stripe on gray pole.		30	Private aid.	1952–1954
09 332. 1	— CHANNEL RANGE REAR LIGHT. F. Amber	On shore, 90 yards 013°30′ from front light.			....	....	White diamond daymark with orange vertical stripe on gray pole.		48	Private aid.	1952–1954
	— Channel Buoy 1	In 20 feet			....	....	Black can			Private aid. Green reflector.	
	— Channel Daybeacon 2	In 15 feet			....	....	Red pole			Private aid. Red reflector.	
	— Channel Buoy 3	In 15 feet			....	....	Black spar			Private aid.	
	— Channel Buoy 4	In 15 feet			....	....	Red spar			Private aid. Red reflector.	
	— Channel Buoy 5	In 15 feet			....	....	Black spar			Private aid. Green reflector.	
	— Channel Buoy 6	In 15 feet			....	....	Red spar			Private aid. Red reflector.	
	— Channel Daybeacon 7	In 20 feet			....	....	Black pole			Private aid.	
	— Channel Daybeacon 8	In 20 feet			....	....	Red pole			Private aid.	
	KEWALO BASIN (Chart 4109)										
10 7334	— ENTRANCE RANGE FRONT LIGHT. F. G.	Near foot of Ward Avenue, Honolulu.	21 17.8	157 51.6	....	....	KRW on pole		63	2,000 cp visible 4° each side if rangeline. Lighted throughout 24 hours.	1929–1961
711 7334. 1	— ENTRANCE RANGE REAR LIGHT. F. G.	77 yards 034°45′ from front light.			....	....	KRW on skeleton tower		75	2,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1929–1961
712	— *Lighted Buoy 1* Fl. G., 2.5^{s}	In 33 feet			....	....	Black				
	— Buoy 2	In 30 feet			....	....	Red nun			Red reflector.	
	— Buoy 4	In 21 feet			....	....	Red nun			Red reflector.	
	— Buoy 6	In 23 feet			....	....	Red nun			Red reflector.	
713	— *Lighted Buoy 8* Fl. R., 4^{s}	In 28 feet, off end of breakwater.			....	....	Red				
	HONOLULU HARBOR (Chart 4109)										
713. 11	— ENTRANCE LIGHT Fl. G., 7.5^{s}	On east side of entrance.	21 17.9	157 52.3	20 110,000	15	Orange and white horizontal bands, on 220 foot tower.		97	Visible from 305° to 089°. Aircraft warning lights at upper and middle levels.	1967
714. 11	— *Entrance Lighted Buoy 1* Fl. W., 4^{s}	In 363 feet	21 17.0	157 53. 1	 200	....	Black			Ra ref.	
715	— *Lighted Buoy 2* Fl. R., 4^{s}	In 90 feet			....	....	Red			Ra ref.	
716	— *Lighted Buoy 3* Fl. G., 2.5^{s}	In 42 feet			....	....	Black				
717 7342	— ENTRANCE CHANNEL RANGE FRONT LIGHT. F. R.	On southwest corner of pier 7.	21 18.5	157 52.1	....	....	KRW on concrete structure		45	3,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1918–1970
718 7342. 1	— ENTRANCE CHANNEL RANGE REAR LIGHT. F. R.	On Pier 8, 163 yards 028° from front light.			....	....	KRW on roof of building		60	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1918–1970
719	— *Lighted Buoy 4* Fl. R., 2.5^{s}	In 69 feet			....	....	Red				
	— Channel Buoy 5	In 42 feet			....	....	Black can			White reflector.	
	— Channel Buoy 6	In 15 feet			....	....	Red nun			Red reflector.	

HAWAII

FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OAHU ISLAND									
	HONOLULU HARBOR									
	— Channel Buoy 7	In 40 feet					Black can		White reflector.	
3720	— *Channel Lighted Buoy 8* Fl. R., 4^{s}	In 43 feet	21 18.0	157 52.4			Red			
3722 G7356	SAND ISLAND LIGHT E. Int. G., 6^{s}	Off revetment wall, west side of channel.	21 18.2	157 52.3	8 500	8	NR on pile	15		1935–1961
	— Pier Seven Buoy 2	In 28 feet					Red nun		Red reflector.	
3723 G7350	HONOLULU FORT STREET LIGHT. F. G.	On roof parapet of Pier 10, at foot of Fort Street.			8 600		Black pole	57		1919–1924
	— Pier Twelve Buoy 4	In 30 feet	21 18.7	157 52.1			Red nun		Marks dismantled pier 12.	
	— Obstruction Buoy	In 30 feet, marks end of submerged piling of former pier 16.	21 18.8	157 52.1			Red and black horizontal bands; nun.		Red reflector.	
	— Inner Obstruction Buoy	In 26 feet, marks end of submerged piling former Pier 17.					Red and black horizontal bands; nun.		Red reflector.	
	Kapalama Basin Buoy 2	In 38 feet	21 19.2	157 52.9			Red nun		Red reflector.	
	KALIHI CHANNEL (Chart 4109)									
3724	— *Lighted Buoy 1* Fl. G., 4^{s}	In 41 feet	21 17.5	157 54.1			Black		Ra ref.	
3725	— *Lighted Buoy 2* Fl. R., 4^{s}	In 44 feet					Red		Ra ref.	
3726 G7363	— RANGE FRONT LIGHT F. G.	On shore	21 18.7	157 53.9			KRW on skeleton tower	36	4,500 cp visible 2° each side of rangeline. Lighted throughout 24 hours.	1962
	KALIHI CHANNEL									
3727 G7363.1	— RANGE REAR LIGHT F. G.	In 4 feet, 677 yards 007° from front light.					KRW on skeleton tower	65	13,000 cp visible 2° each side of rangeline. Lighted throughout 24 hours. Fixed red obstruction light on top of tower.	1962
	— Buoy 3	In 30 feet					Black can		White reflector.	
	— Buoy 4	In 28 feet					Red nun		Red reflector.	
3728 G7363.3	— LIGHT 5 Fl. G., 2.5^{s}	In 25 feet					Black square daymark on dolphin.	15	Green reflector.	1962
3729 G7363.4	— LIGHT 6 Fl. R., 2.5^{s}	In 30 feet					TR on dolphin	15		1962
3730 G7363.5	— LIGHT 8 Fl. R., 2.5^{s}	In 25 feet					TR on dolphin	15		1962
3731 G7363.6	— LIGHT 9 Fl. G., 2.5^{s}	In 19 feet					SB on dolphin	15		1962
3732 G7363.7	— LIGHT 12 Fl. R., 2.5^{s}	In 19 feet					TR on dolphin	15		1962
3733 G7363.8	— LIGHT 13 Fl. G., 2.5^{s}	In 24 feet					SB on dolphin	15		1962
3734 G7364	— LIGHT 16 Fl. R., 2.5^{s}	In 18 feet					TR on dolphin	15		1962
3735 G7364.2	— LIGHT 17 Fl. G., 2.5^{s}	In 22 feet					SB on dolphin	15		1962

	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OAHU ISLAND							
	KALIHI CHANNEL							
.3	—LIGHT 19 **Fl. G., 2.5^s**	In 30 feet	....	....	SB on dolphin	15		1962
.4	—LIGHT 20 **Fl. R., 2.5^s**	In 23 feet	....	....	TR on dolphin	15		1962
	KEEHI LAGOON BARGE CHANNEL RANGE FRONT LIGHT. **F. G.**	On shore 21 20.0 157 54.1	....	....	Yellow diamond daymark with black vertical stripe.	16	Private aid.	1961
.1	KEEHI LAGOON BARGE CHANNEL RANGE REAR LIGHT. **F. G.**	On shore, 200 yards 334° from front light.	....	....	Yellow diamond daymark with black vertical stripe.	22	Private aid.	1961
	Keehi Lagoon Barge Channel Buoy 2.	In 15 feet	....	....	Red nun		Red reflector. Private aid.	
	OAHU ISLAND							
	HONOLULU AERO LIGHT **Alt. Fl. W. & G., 10^s**	On control tower 21 20.1 157 55.4	28 2,500,000	17		122	Maintained by Hawaii Aeronautics Commission.	
	Mamala Bay Nitrate Anchorage Buoy MB.	In 66 feet, in N. E. corner of explosive anchorage. 21 17.6 157 55.1	....	....	White nun		White reflector.	
	PEARL HARBOR (Chart 4132)							
	— *Entrance Lighted Buoy 1* **Fl. W., 4^s**	In 59 feet, on west side of the entrance to harbor. 21 18.1 157 57.6	300	....	Black		Ra ref.	
	— *Entrance Lighted Buoy 2* **Fl. R., 4^s**	In 52 feet, on east side of entrance	....	....	Red		Ra ref.	
. 11	—ENTRANCE RANGE FRONT LIGHT. **F. G.**	On shore at Hammer Point. 21 19.8 157 58.4	....	....	KRW on skeleton tower	47	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hour.	
. 12	—ENTRANCE RANGE REAR LIGHT. **F. G.**	On shore, 750 yards 336°36′ from front light.	800	....	KRW on skeleton tower	94	8,000 cp on rangeline with lower intensity elsewhere. Lighted throughout 24 hours.	1930
	—Buoy 3	In 48 feet, on west side of main channel, off Tripod Reef.	....	....	Black can		White reflector.	
	—Buoy 4	In 49 feet, on east side of main channel, off Ahua Reef.	....	....	Red nun		Red reflector.	
2. 15	—*Lighted Buoy 5* **Fl. W., 4^s**	In 42 feet, on west side of main channel, off Tripod Reef.	170	....	Black			
2. 17	—*Lighted Buoy 7* **Fl. G., 4^s**	In 45 feet, on west side of main channel, off Fort Weaver.	....	....	Black			
2. 19	—*Lighted Buoy 6* **Fl. R., 4^s**	In 42 feet, on east side of main channel, off Fort Kam.	....	....	Red			
2. 21	—*Lighted Buoy 9* **Fl. W., 4^s**	In 44 feet, on west side of main channel, off Hammer Point.	170	....	Black			
	Hickam Base Buoy 2	In 40 feet	....	....	Red nun		Red reflector.	
	Hickam Base Buoy 4	In 43 feet	....	....	Red nun		Red reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OAHU ISLAND							
	PEARL HARBOR							
3742.24	FORD ISLAND LIGHT **Occ. G., 4^{s} (3^{s}lt)**	In 4 feet 21 21.8 157 58.3	6 110	11	NR on pile structure	38	Higher intensity beam down channel.	
	—Buoy 11	In 48 feet	....	....	Black can		White reflector.	
3742.26	—*Lighted Buoy 13* **Qk. Fl. G.**	In 48 feet, northeast of Iroquois Point.	....	....	Black			
3742.28	*West Loch Junction Lighted Buoy WL.* **I. Qk. Fl. W.**	In 44 feet, off Waipio Point.	....	....	Black and red horizontal bands			
3742.31	—*Lighted Buoy 15* **Fl. W., 4^{s}**	In 43 feet, north of Waipio Point.	 170	....	Black			
	—Buoy 16	In 41 feet, off Hospital Point.	....	....	Red nun		Red reflector.	
	—Buoy 17	In 54 feet, south of Nevada Point.	....	....	Black can		White reflector.	
3742.33	—LIGHT 18 **F. R.**	In 46 feet, off Hospital Point.	 300	....	TR on small concrete structure on piling.	20		
3742.35	—*Lighted Buoy 20* **Qk. Fl. R.**	In 46 feet, north of Hospital Point.	....	....	Red			
3742.37	—*Lighted Buoy 21* **Qk. Fl. W.**	In 41 feet, off Nevada Point.	....	....	Black			
3742.39	*Ford Island Junction Lighted Buoy FI.* **I. Qk. Fl. G.**	In 54 feet, off south west end of Ford Island.	....	....	Black and red horizontal bands			
3742.41	—*Lighted Buoy 22* **Fl. W., 4^{s}**	In 40 feet, northeast of Hospital Point.	 170	....	Red			
3742.43	—*Lighted Buoy 23* **Qk. Fl. W.**	In 40 feet, northeast of Ford Island.	....	....	Black			
3742.45	—*Lighted Buoy 25* **Fl. G., 4^{s}**	In 40 feet, northeast of Ford Island.	....	....	Black			
3742.47	—*Lighted Buoy 27* **Fl. W., 4^{s}**	In 40 feet, northeast of Ford Island.	 170	....	Black			
	—Buoy 29	In 40 feet, northeast of Ford Island.	....	....	Black can		White reflector.	
3742.49	—*Lighted Buoy 31* **Fl. G., 4^{s}**	In 40 feet, on north side of Ford Island.	....	....	Black			
	—Buoy 33	In 40 feet, northwest side of Ford Island.	....	....	Black can		White reflector. Channelward of wreck.	
	—Buoy 35	In 40 feet, northwest side of Ford Island.	....	....	Black can		White reflector. Channelward of wreck.	
3742.51	—*Lighted Buoy 37* **Fl. G., 4^{s}**	In 40 feet, off east side of Ford Island.	....	....	Black			
3742.53	—*Lighted Buoy 39* **Fl. W., 4^{s}**	In 42 feet, off southwest end of Ford Island.	 170	....	Black			
3742.55	—*Lighted Buoy 40* **Fl. R., 4^{s}**	In 41 feet, northwest of Nevada Point.	....	....	Red			
	—Buoy 41	In 43 feet, off southwest end of Ford Island.	....	....	Black can		White reflector.	
	PEARL HARBOR WEST LOCH							
3742.57	—ENTRANCE RANGE FRONT LIGHT. **F. G.**	On Waipio Peninsula. 21 21.3 157 59.2	....	....	KRW on skeleton tower	32	1,700 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1944
3742.59	—ENTRANCE RANGE REAR LIGHT. **F. G.**	On Waipio Peninsula 300 yards 323° from front light.	....	....	KRW on skeleton tower	47	1,700 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1944
	—Buoy 1	In 34 feet	....	....	Black can		White reflector.	
	—Buoy 3	In 42 feet	....	....	Black can		White reflector.	

	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII							FOURTEENTH DISTRICT	
	OAHU ISLAND								
	PEARL HARBOR								
	PEARL HARBOR WEST LOCH								
	—Buoy 2	In 41 feet				Red nun		Red reflector.	
61	—*Lighted Buoy 5* **Qk. Fl. G.**	In 42 feet				Black			
	—Buoy 6	In 53 feet				Red nun		Red reflector.	
.63	—*Lighted Buoy 7* **Fl. G., 4^s**	In 33 feet				Black			
	—Buoy 8	In 42 feet				Red nun		Red reflector.	
	—Buoy 9	In 35 feet				Black can		White reflector.	
.65	—*Lighted Buoy 10* **Qk. Fl. R.**	In 40 feet				Red			
.67	—*Lighted Buoy 11* **Qk. Fl. G.**	In 30 feet				Black			
	—Buoy 12	In 30 feet				Red nun		Red reflector.	
	—Buoy 13	In 37 feet				Black can		White reflector.	
.69	—*Lighted Buoy 14* **Fl. R., 4^s**	In 32 feet				Red			
	PEARL HARBOR EAST LOCH								
	—Buoy 2	In 26 feet 21 22.5	157 56.5			Red nun		Red reflector.	
.70	—*Lighted Buoy 4* **Fl. R., 4^s**	In 17 feet 21 22.6	157 56.4			Red			
.71	—*Lighted Buoy 1* **Fl. W., 4^s**	In 36 feet 21 23.1	157 58.1			Black			
	PEARL HARBOR SOUTHEAST LOCH								
2.75	MERRY POINT LIGHT **F. G.**	On loading shed roof on Merry Point Wharf. 21 21.3	157 56.8	600			35		
	BARBERS POINT (Chart 4110)								
3 *8*	BARBERS POINT AERO LIGHT **Alt. Gp. Fl. W. & G., 10^s** (2W. fl-1G. fl)	On southwest side of island. 21 18.8	158 04.4					Maintained by U. S. Navy.	
3.11	*Ewa Beach Lighted Wreck Buoy WR.* **I. Qk. Fl. G.**	In 70 feet, 50 yards 040° from last known position of wreck. 21 17.3	158 02.2			Black and red horizontal bands		Ra ref.	
4	*Barbers Point Anchorage Area Lighted Buoy A.* **Fl. W., 4^s**	In 84 feet 21 16.7	158 04.2			White		Private aid.	
5	*Barbers Point Anchorage Area Lighted Buoy B.* **Fl. W., 4^s**	In 84 feet 21 16.7	158 04.7			White		Private aid.	
	Barbers Point Anchorage Area Buoy C.	In 66 feet 21 17.0	158 04.7			White spar		White reflector. Private aid.	
	Barbers Point Anchorage Area Buoy D.	In 66 feet 21 17.0	158 04.2			White spar		White reflector. Private aid.	
6	*Barbers Point Reef Lighted Buoy 4* **Fl. R., 4^s**	In 48 feet, off south side of reef.				Red			
7	**BARBERS POINT LIGHT** **Fl. W., 7.5^s**	On southwest point of island. 21 18.0	158 06.5	25 700,000	15	White cylindrical concrete tower 72	86	Obscured from 147°42′ to shore.	1888–1933
8 *71*	BARBERS POINT ANCHORAGE AREA GUIDE LIGHT. **Qk. Fl. Amber.**	On shore 21 18.2	158 04.4			Red diamond daymark on white pole.	41	Private aid.	1961

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	HAWAII									FOURTEENTH DISTRICT	
	OAHU ISLAND										
	BARBERS POINT										
	—Barge Channel Range Front Daybeacon.	On shore	21 19.7	158 07.4			Yellow triangular daymark with red border on pole.		40	Private aid.	
	—Barge Channel Range Rear Daybeacon.	On shore 133 yards 058° from front daybeacon.					Yellow triangular daymark with red border on pole.		50	Private aid.	
	—Barge Channel Entrance Buoy 1.	In 22 feet					Black spar			Private aid.	
	—Barge Channel Entrance Buoy 2.	In 22 feet					Red spar			Private aid.	
	OAHU ISLAND										
	FORACS III Buoy		21 22.4	158 08.8			Orange and white horizontal bands.			Ra ref. Maintained by U. S. Navy.	
3748.11	POKAI BAY BREAKWATER LIGHT. **Fl. R., 4^s**	Marks seaward end of breakwater.			6 160	10	NR on pole	20	30		1964–1969
3749 G7372	**Kaena Point Light** **Fl. W., 4^s**	On extreme westerly point of island.	21 34.7	158 16.9	8 500	14	White pyramidal concrete tower.	20	65		1920
	WAIALUA BAY										
3750 G7373	—RANGE FRONT LIGHT **F. G.**	On shore	21 35.9	158 06.3			KRW on pole		24	600 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1963
3751 G7373.1	—RANGE REAR LIGHT **F. G.**	305 yards 129° from front light					KRW on pole		46	2,600 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1963
3752	— *Lighted Buoy 2* **Fl. W., 4^s**	In 54 feet	21 36.4	158 07.0	100		Red				
3752.20	HALEIWA HARBOR ENTRANCE CHANNEL LIGHT. **Fl. W., 6^s**	West end of new mole.	21 35.9	158 06.5	7 300	10	NR on pole		20		1966
	—Buoy 3	In 18 feet					Black can			White reflector.	
	—Buoy 4	In 26 feet					Red nun			Red reflector.	
	—Buoy 5	In 33 feet					Black can			White reflector.	
	KAUAI ISLAND (Chart 4100)										
3753 G7398	**KILAUEA POINT LIGHT** **Gp. Fl. W., 10^s** 0.1^sfl., 2.4^sec. 0.1^sfl., 7.4^sec. 2 flashes. Resident Personnel.	On northernmost point of island.	22 14.1	159 24.3	26 1,000,000	21	White conical concrete tower	52	216	RADIOBEACON: Antenna 62 feet 254° from light tower. See p. XVIII for method of operation.	1913
3754 G7396	**Kahala Point Light** **Fl. W., 4^s**	On point south side of entrance to Anahola Bay.	22 09.0	159 17.9	6 200	12	NR on skeleton tower	18	40		1908–1912
3755 G7392	LIHUE AERO LIGHT **Alt. Fl. W. & G., 10^s**	East of Lihue	21 59.2	159 20.7						Maintained by Hawaii Aeronautics Commission.	
3756 G7382	**NAWILIWILI HARBOR LIGHT** **Fl. W., 15^s**	On Ninini Point, north side of entrance to harbor.	21 57.5	159 20.3	26 1,000,000	17	Buff-colored cylindrical concrete tower.	86	118	Tower floodlighted from sunset to sunrise. Obscured from 245° to 295°.	1906–1932

(2) Name Characteristic	(3) Location			(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure		(7) Remarks	Year
		Lat. N.	Long. W.			Ht. above ground	Ht. above water		
KAUAI ISLAND									
NAWILIWILI HARBOR (Chart 4111)									
KUKII POINT LIGHT Fl. W., R. sector, 2.5^s	On point north side of harbor.	21 57.6	159 21.0	7W 250 R 70	12	White pyramidal concrete tower. 22	47	Red from 256° to 296° covers submarine coral ledge north of outer entrance channel.	1916
—BREAKWATER LIGHT Fl. G., $6^s(1^s fl)$	On outer end of breakwater.	21 57.4	159 21.1	6 150	9	NR on pole on house	20		1959
—Entrance Buoy 1	In 40 feet					Black can		White reflector.	
—Buoy 2	In 37 feet					Red nun		Red reflector.	
—Buoy 4	In 36 feet					Red nun		Red reflector.	
—JETTY LIGHT Qk. Fl. R.	At southern end of jetty.	21 57.4	159 21.3			NR on skeleton tower	15		1930–1955
—*Lighted Buoy 5* Fl. W., 2.5^s	In 30 feet			150		Black			
—*Lighted Buoy 7* Fl. W., 4^s	In 39 feet			170		Black			
—Buoy 9	In 33 feet					Black can		White reflector.	
—Buoy 11	In 32 feet					Black can		White reflector.	
KAUAI ISLAND									
Makahuena Point Light Fl. W., $6^s(1^s fl)$	On southernmost point of island.	21 52.3	159 26.8	13 5,000	15	White pyramidal concrete tower. 20	80		1908–1922
Lanipuao Rock Lighted Buoy 2 Fl. R., 2.5^s	In 60 feet	21 52.8	159 31.5			Red			
Hanapepe Light Fl. W., R. sector, 4^s	On Puolo Point, west side of entrance to Hanapepe Bay.	21 53.8	159 36.4	6W 200 R 60	13	White pyramidal skeleton tower. 43	51	Red from 261° to 282° covers Lanipuao Rock.	1912–1929
HANAPEPE BAY (Chart 4108)									
—BREAKWATER LIGHT E. Int. W., 6^s	On outer end of breakwater, Port Allen.	21 54.0	159 35.6	11 2,000	11	White pyramidal concrete tower.	32		1935
—*Lighted Buoy 1* Fl. G., 4^s	In 40 feet	21 53.5	159 35.7			Black			
—Buoy 3	In 38 feet					Black can		White reflector.	
—*Lighted Buoy 5* Fl. W., 4^s	In 35 feet			170		Black			
—Buoy 7	In 30 feet					Black can		White reflector.	
—Buoy 9	In 26 feet					Black can		White reflector.	
KAUAI ISLAND (Chart 4100)									
Makaweli Reef Buoy 2	In 44 feet	21 56.3	159 40.6			Red nun		Red reflector.	
Kokole Light Fl. W., $6^s(1^s fl)$	On Kokole Point, southwest point of island.	21 58.9	159 45.5	8 600	13	White pyramidal skeleton tower. 43	58		1908–1927

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	KAUAI ISLAND										
	Milolii Beach Range Front Daybeacon.	On shore	22 08.9	159 43.6			Red diamond daymark on pole			Private aid.	
	Milolii Beach Range Rear Daybeacon.	33 yards 168°15′ from front daybeacon.					Yellow square daymark on pole			Private aid.	
	Nualolo Beach Range Front Daybeacon.	On shore	22 09.7	159 42.2			Red diamond daymark on pole			Private aid.	
	Nualolo Beach Range Rear Daybeacon.	33 yards 149° from front daybeacon.					Yellow square daymark on pole			Private aid.	
	LEHUA ISLAND										
3769 G7422	**Lehua Rock Light** **Fl. W., 4^{s}**	On highest point of island.	22 01.3	160 06.1	6 200	34	White skeleton tower		709	Visible from 045° to 344°.	1931
	FRENCH FRIGATE SHOALS										
	TERN ISLAND (Chart 4171)										
3770	**French Frigate Shoals Radiobeacon**	On Tern Island	23 52.0	166 17.2						RADIOBEACON: See p. XVIII for method of operation.	1957
	TERN ISLAND SMALL BOAT PASSAGE										
	—Buoy 1	In 28 feet	23 50.9	166 18.5			Black can			White reflector.	
	—Buoy 2	In 30 feet					Red nun			Red reflector.	
	—Buoy 4	In 22 feet					Red nun			Red reflector.	
	—Buoy 6	In 12 feet					Red nun			Red reflector.	
	—Buoy 7	In 14 feet					Black can			White reflector.	
	—Buoy 11	In 21 feet					Black can			White reflector.	
	—Buoy 14	In 25 feet					Red nun			Red reflector.	
	MIDWAY ISLANDS (Chart 4188)										
3771 G7442	**SAND ISLAND AERO LIGHT** **Alt. Gp. Fl. W. & G., 10^{s}**		28 12.6	177 22.8					158	Maintained by U. S. Navy.	
	MIDWAY CHANNEL										
3772	— *Entrance Lighted Buoy 1* **Fl. W., 4^{s}**	In 100 feet	28 11.4	177 21.4	170		Black			Ra ref.	
3773 G7444	—RANGE FRONT LIGHT **F. W.**	In 15 feet	28 13.7	177 21.3			KBW on pile structure		17	3,000 cp visible 4° each side of rangeline.	1944–1958
3774 G7444.1	—RANGE REAR LIGHT **F. W.**	In 6 feet, 600 yards 359°30′ from front light.					KBW on pile structure		43	4,500 cp visible 4° each side of rangeline.	1944–1958
	—Entrance Buoy 2	In 100 feet					Red nun			Red reflector.	
	—Buoy 3	In 36 feet					Black can			White reflector.	
	—Buoy 4	In 37 feet					Red nun			Red reflector.	
	—Buoy 6	In 37 feet					Red nun			Ra. ref. Red reflector.	
	—Buoy 7	In 37 feet					Black can			Ra ref. White reflector.	
3775	—*Lighted Buoy 9* **Fl. G., 4^{s}**	In 30 feet					Black			Ra ref.	
3776	—*Lighted Buoy 11* **Fl. G., 4^{s}**	In 37 feet					Black				
3777	—*Lighted Buoy 12* **Fl. R., 4^{s}**	In 37 feet					Red				

PACIFIC ISLANDS

FOURTEENTH DISTRICT

)	(2) Name Characteristic	(3) Location Lat. N.	Long. W.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	MIDWAY ISLANDS								
	MIDWAY CHANNEL								
	Midway Basin Channel Buoy 1	In 30 feet				Black can		White reflector.	
	Midway Basin Channel Buoy 2	In 29 feet				Red nun		Red reflector.	
16	MIDWAY ISLAND NORTH BREAKWATER LIGHT. F. R.	28 12.5	177 21.6	7 350	9	NR on pole	17		1944–1956
48	MIDWAY ISLAND SOUTH BREAKWATER LIGHT. F. G.	28 12.5	177 21.6	8 600	8	NB on skeleton tower	15		1944–1956
)	—*Lighted Buoy 13* Fl. G., 4^{s}	In 35 feet				Black			
l	—*Lighted Buoy 14* Fl. R., 4^{s}	In 30 feet				Red		Ra ref.	
2	—*Lighted Buoy 15* Fl. G., 4^{s}	In 35 feet				Black		Ra ref.	
	—Buoy 16	In 33 feet				Red nun		Ra ref. Red reflector.	
	—Buoy 17	In 34 feet				Black can		White reflector.	
	—Buoy 18	In 37 feet				Red nun		Ra ref. Red reflector.	
3	—*Lighted Buoy 19* Fl. G., 4^{s}	In 39 feet				Black		Ra ref.	
	—Buoy 20	In 41 feet				Red nun		Red reflector.	
4	—*Lighted Buoy 21* Fl. G., 4^{s}	In 39 feet				Black		Ra ref.	
5	—*Lighted Buoy 22* Fl. R., 4^{s}	In 39 feet				Red		Ra ref.	
	—Buoy 23	In 30 feet				Black can		White reflector.	
	—Buoy 24	In 41 feet				Red nun		Red reflector.	
6	—*Lighted Buoy 26* Fl. R., 4^{s}	In 43 feet				Red		Ra ref.	
	—Buoy 28	In 38 feet				Red nun		Ra ref. Red reflector.	
37	*Sand Island Obstruction Lighted Buoy.* I. Qk. Fl. W.	In 33 feet, marks 4 fathom spot.				Red and black horizontal bands.		Ra ref.	
	EASTERN ISLAND CHANNEL								
	—Buoy 1	In 27 feet				Black can		White reflector.	
88 445	—RANGE FRONT LIGHT F. G.	On island 28 12.5	177 20.0			KRW on pole	25	3,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1960
89 '445. 1	— RANGE REAR LIGHT F. G.	117 yards 101°30′ from front light.				KRW on pole	34	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1960
	—Buoy 2	In 30 feet				Red nun		Red reflector.	
	—Buoy 3	In 20 feet				Black can		White reflector.	
	—Buoy 4	In 20 feet				Red nun		Red reflector.	
	—Buoy 5	In 15 feet				Black can		White reflector.	
	—Buoy 6	In 15 feet				Red nun		Red reflector.	
	—Buoy 7	In 14 feet				Black can		White reflector.	
	—Buoy 8	In 13 feet				Red nun		Red reflector.	

(2) No.	(2) Name Characteristic	(3) Location Lat. N.	 Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	 Ht. above water	(7) Remarks	 Year
				PACIFIC ISLANDS				FOURTEENTH DISTRICT	
	JOHNSTON ATOLL (NO Chart 83637)								
3790	— *Entrance Lighted Buoy J.* **Mo. (A) W.**	In 39 feet 16 41.9	169 31.1	150		Black and white vertical stripes.			
3791	— *Channel Entrance Lighted Buoy 2.* **Fl. R., 4^s**	In 54 feet 16 43.0	169 31.1	160		Red		Ra ref	
3792 G 7426	— CHANNEL RANGE FRONT LIGHT. **Qk. Fl. W.**	16 44.7	169 31.1			KRW on platform	14	2,000 cp visible 4° each side of rangeline.	1964
3793 G7426. 1	— CHANNEL RANGE REAR LIGHT. **E. Int. W., 6^s**	650 yards 360° from front light.				KRW on pole	40	7,000 cp visible 4° each side of rangeline.	1964
3793. 11	—*Channel Lighted Buoy 3* **Fl. G., 4^s**	In 35 feet 16 43.4	169 31.2			Black			
	—Channel Buoy 4	In 35 feet				Red nun		Red reflector.	
	—Channel Daybeacon 5	In 40 feet, on west side of channel.				SB on dolphin			
	—Channel Daybeacon 6	In 40 feet, on east side of channel.				TR on dolphin			
	—Channel Daybeacon 7	In 40 feet 16 43.8	169 31.2			SB on dolphin			
	—Channel Daybeacon 9	On west side of channel.				SB on pile			
	—Channel Daybeacon 10	On east side of channel.				TR on pile			
3793. 19	—CHANNEL LIGHT 11 **E. Int. G., 6^s**					SB on dolphin			1965
	— Channel Daybeacon 12	In 39 feet, north side of channel.				TR on pile			
3793. 21	— CHANNEL LIGHT 13 **Fl. G., 2.5^s**	In 34 feet 16 44.4	169 31.2			SB on dolphin	10		1968
	—Channel Daybeacon 14	On east side of channel.				TR on pile			
	—Channel Buoy 16	In 35 feet				Red nun		Red reflector.	
3793. 24	—*Harbor Lighted Buoy 17* **Fl. G., 4^s**	In 35 feet				Black			
3793. 25	—*Harbor Lighted Buoy 18* **Fl. R., 4^s**	In 35 feet				Red		Ra ref.	
	— Harbor Buoy 19	In 35 feet				Black can		White reflector.	
	— Harbor Buoy 20	In 35 feet				Red nun		Red reflector.	
3793. 28	—*Harbor Lighted Buoy 22* **Fl. R., 4^s**	In 35 feet				Red		Ra ref.	
3794 G7436	—BREAKWATER LIGHT **F. G.**	On end of breakwater. 16 44.4	169 31.6	8 600	10	NR on pole	25		1952
3795 G7438	—PIER LIGHT **Fl. G., 4^s**	On northeast corner pier. 16 44.3	169 31.7	7 250	10	NR on pole	25		1952
	— Harbor Daybeacon 25	In 35 feet, south side of channel.				SB on pile			
	PHOENIX ISLANDS (Chart 4193)								
	Amelia Earhart Daybeacon	0 48.0	176 38.2			Red and white horizontally banded stone tower.	36		
	Baker Island Daybeacon	0 11.7	176 29.1			Red and white banded cylindrical stone tower.	49		

PACIFIC ISLANDS FOURTEENTH DISTRICT

	(2) Name / Characteristic	(3) Location Lat. S.	Long. W.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	LINE ISLANDS (Chart 4193)									
		Lat. S.	Long. W.							
	Jarvis Island Daybeacon	On west side of island. 0 22.6	160 01.6	....	....	Red and white banded cylindrical stone tower.				
	SAMOA ISLANDS (Chart 4190)									
		Lat. S.	Long. W.							
3	**Aunuu Island Light** .... **Fl. W., 2.5ˢ**	On north side of island. 14 16.8	170 33.8	8 500	23	White square pyramidal tower	24	271	North of Tutuila Island. Obscured west of 155° and within 1 mile south of Aunuu Island is obscured from 020° to 035°.	1905–1926
	TUTUILA ISLAND									
6	**Breaker Point Light**.............. **Fl. W., 6ˢ(1ˢfl)**	On east side of entrance to Pago Pago Harbor. 14 17.4	170 39.7	9 800	20	White and red banded square pyramidal structure.	27	190	Visible from channel between Tutuila Island and Aunuu Island around into inner harbor of Pago Pago.	1905–1927
	PAGO PAGO HARBOR									
0	— RANGE FRONT LIGHT .... F. R.	On north shore of harbor. 14 16.1	170 40.3	....	....	KRW on skeleton tower		26	3,500 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1905–1927
0. 1	— RANGE REAR LIGHT .... F. R.	253 yards 342° from front light.		....	....	KRW on square structure, house on top.		150	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1905–1927
	Whale Rock Lighted Bell Buoy 1.... Fl. W., 4ˢ	In 192 feet, east of rock. 14 17.2	170 40.0	....	....	Black				
	Grampus Rock Buoy 2	In 126 feet		....	....	Red nun			Ra ref. Red reflector.	
	— Buoy 4	In 138 feet		....	....	Red nun			Ra ref. Red reflector.	1966
5 86	OBSERVATORY POINT LIGHT ... **Fl. G., 4ˢ**	.... 14 16.6	170 40.6	6 110	9	NR on pole		13		
	Goat Island North Daybeacon	On coral ledge		....	....	NR on concrete pile				
	Pago Pago Inner Harbor Daybeacon 3.	In 3 feet 14 16.5	170 41.2	....	....	SB on pile structure			Private aid.	
	TUTUILA ISLAND									
5 74	**Steps Point Light**............... **Fl. W., 4ˢ**	.... 14 22.4	170 45.4	8 400	14	White square pyramidal tower....		77		1941–1966

(1) No.	(2) Name Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	WAKE ISLAND (Chart 4195)		Lat. N.	Long. E.							
3807 *F8482*	— AERO LIGHT **Alt. Fl. W. & G., 10^{s}**	On southeast side of island.	19 16.7	166 39.1	28W 2,500,000 23G 300,000	13	White and orange horizontally banded skeleton tower.		61	Maintained by Federal Aviation Agency.	
	WAKE ISLAND CHANNEL										
3808	— ENTRANCE LIGHT **Occ. R., 4^{s}(3^{s} lt)**	On shore	19 17.3	166 37.0	7 300	11	NR on pole		35		1969
3811	— DIRECTIONAL LIGHT **F. W., R. & G.** sectors	On shore	19 17.4	166 37.3	8W 14,000 6R & G 2,500	11	Pole		35	White when on centerline of channel (063°30′); red when right and green when left of white beam when entering from seaward.	1969
	MARSHALL ISLANDS										
	MAJURO ATOLL (NO Chart 81782)										
	MAJURO CHANNEL										
3811.05 *F8466*	MAJURO ATOLL LIGHT **Fl. W., 6^{s}(1^{s} fl)**	On Eroj Island	7 09.6	171 09.9	8 600	14	NR on skeleton tower	70	75		1956
	— Buoy 1	In 156 feet	7 10.1	171 10.4	....	....	Black can			White reflector.	
	— Buoy 2	In 156 feet			....	....	Red nun			Ra ref. Red reflector.	
	— Buoy 3	In 144 feet			....	....	Black can			White reflector.	
	— Buoy 4	In 146 feet			....	....	Red nun			Red reflector.	
	— Buoy 5	In 132 feet			....	....	Black can			White reflector.	
	— Buoy 6	In 156 feet			....	....	Red nun			Red reflector.	
	— Three Fathom Shoal Buoy	In 138 feet	7 06.3	171 17.4	....	....	Red nun			Red reflector.	
	— Central Shoal Buoy CS	In 90 feet	7 06.0	171 16.0	....	....	Red nun			Red reflector.	
	KWAJALEIN ATOLL (NO Chart 81715)										
	ROI-NAMUR ISLANDS CHANNEL										
3811.53	— *Approach Lighted Buoy 1* **Fl. W., 4^{s}**	In 150 feet	9 20.7	167 27.9	....	....	Black			Ra ref.	
	— Approach Buoy 3	In 50 feet			....	....	Black can			White reflector.	
3811.55	— *Lighted Buoy 4* **Fl. R., 4^{s}**	In 50 feet	9 23.2	167 28.4	....	....	Red				
	— Buoy 5	In 50 feet			....	....	Black can			White reflector.	
3811.56	— *Lighted Buoy 6* **Fl. R., 2.5^{s}**	In 45 feet	9 23.2	167 28.4	....	....	Red				
	— Buoy 7	In 30 feet			....	....	Black can			White reflector.	
	— Buoy 8	In 25 feet			....	....	Red nun			Red reflector.	
	— Buoy 9	In 30 feet			....	....	Black can			White reflector.	
	KWAJALEIN - ROI HIGHWAY CHANNEL										
3811.59	— *Lighted Buoy 1* **Fl. W., 4^{s}**	In 108 feet	8 53.1	167 38.8	160	....	Black				
3811.61	— *Lighted Buoy 5* **Fl. G., 4^{s}**	In 150 feet	8 59.6	167 36.9	....	....	Black				
3811.64	— *Lighted Buoy 13* **Fl. W., 4^{s}**	In 95 feet	9 06.3	167 34.7	160	....	Black				

(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
MARSHALL ISLANDS								
KWAJALEIN-ROI HIGHWAY CHANNEL								
— *Lighted Buoy 15* Fl. W., 4^s	In 144 feet 9 12.6	167 30.4	160		Black			
— *Lighted Buoy 18* Fl. R., 4^s	In 144 feet 9 14.3	167 30.7			Red			
— *Lighted Buoy 19* Fl. W., 4^s	In 160 feet 9 18.1	167 28.6	160		Black			
— *Lighted Buoy 22* Fl. R., 4^s	In 162 feet 9 18.8	167 28.8			Red			
Meck Island Approach Lighted Buoy 1. Fl. W., 4^s	In 150 feet 9 00.1	167 42.8	160		Black			
MECK ISLAND APPROACH RANGE FRONT LIGHT. F. R.	On reef 9 00.1	167 43.7			KRW on pole	12	1,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1968
MECK ISLAND APPROACH RANGE REAR LIGHT. F. R.	On Meck Island, 183 yards 066° from front light.				KRW on pole	19	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1968
KWAJALEIN BIBEJ CHANNEL								
— Buoy 1	In 42 feet 8 52.2	167 45.6			Black can		White reflector.	
— Buoy 2	In 36 feet				Red nun		Red reflector.	
KWAJALEIN SOUTH PASS								
— Buoy 1	In 42 feet 8 47.2	167 38.8			Black can		White reflector.	
— *Lighted Buoy 2* Fl. R., 4^s	In 44 feet				Red			
KWAJALEIN GEA PASS								
— *Lighted Buoy 1* Fl. W., 4^s	In 60 feet 8 49.3	167 36.0	100		Black			
— *Lighted Buoy 2* Fl. R., 4^s	In 96 feet				Red			
— Buoy 3	In 35 feet				Black can		White reflector.	
— *Lighted Buoy 5* Fl. W., 4^s	In 96 feet 8 49.6	167 37.1	100		Black			
KWAJALEIN LAGOON								
— *Obstruction Lighted Buoy V* I. Qk. Fl. W.	In 118 feet 8 52.5	167 44.0			Black and red horizontal bands.			
— Obstruction Buoy T	In 132 feet				Black and red horizontal bands; can.		White reflector.	
— Obstruction Buoy U	In 69 feet				Black and red horizontal bands; can.		White reflector.	
— Obstruction Buoy S	In 120 feet				Black and red horizontal bands; can.		White reflector.	
— Obstruction Buoy Y	In 114 feet				Black and red horizontal bands; can.		White reflector.	
— Obstruction Buoy R	In 120 feet				Black and red horizontal bands; can.		White reflector.	

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	MARSHALL ISLANDS							
	KWAJALEIN LAGOON							
3816.11	*Kwajalein Ebeye Reef Lighted Buoy ER1.* **Qk. Fl. G.**	In 120 feet 8 45.6 167 44.1			Black		Ra ref.	
	— Obstruction Buoy P	In 140 feet			Black and red horizontal bands; can.		White reflector.	
	— Obstruction Buoy O	In 112 feet			Black and red horizontal bands; can.		White reflector.	
	— Obstruction Buoy N	In 92 feet			Black and red horizontal bands; can.		White reflector.	
	— Obstruction Buoy M	In 54 feet			Black and red horizontal bands; can.		White reflector.	
3817	— *Obstruction Lighted Buoy A* **I. Qk. Fl. W.**	In 138 feet 8 47.6 167 39.9			Red and black horizontal bands..			
3818	— *Obstruction Lighted Buoy B* **I. Qk. Fl. W.**	In 88 feet			Black and red horizontal bands.			
	— Obstruction Buoy C	In 75 feet			Red and black horizontal bands; nun.		Red reflector.	
	KWAJALEIN HARBOR							
	— Channel Buoy 2	In 132 feet 8 44.7 167 43.2			Red nun		Red reflector.	
	— Channel Buoy 4	In 114 feet			Red nun		Red reflector.	
3819	— *Channel Lighted Buoy 5* **Fl. W., 4^s**	In 60 feet	100		Black			
	— Channel Buoy 6	In 93 feet			Red nun		Red reflector.	
	— Obstruction Buoy G	In 48 feet			Red and black horizontal bands; nun.		Red reflector.	
	— Channel Buoy 8	In 42 feet			Red nun		Red reflector.	
	ENIWETOK SOUTH CHANNEL (NO Chart 81523)							
	— Entrance Buoy 1	In 45 feet 11 20.3 162 18.6			Black can		Ra ref. White reflector.	
	— Entrance Buoy 2	In 45 feet 11 20.4 162 19.2			Red nun		Ra ref. Red reflector.	
	— Entrance Buoy 4	In 90 feet 11 20.8 162 19.2			Red nun		Red reflector.	
	EAST CAROLINE ISLANDS (NO Chart 81488)							
	KUSAIE ISLAND							
	Lele Harbor							
	— Entrance Range Front Daybeacon.	In 1 foot 5 19.8 163 01.4			KRW on pile	10		
	— Entrance Range Rear Daybeacon	In 2 feet, 510 yards 277° from front daybeacon.			KRW on pile	19		
	— Entrance Daybeacon 2	In 1 foot			TR on on pile	19		
	— Daybeacon 3	In 2 feet			SB on pile	10		
	— Daybeacon 4	In 1 foot			TR on pile	10		
	— Daybeacon 5	In 1 foot			SB on pile			
	— Daybeacon 6	In 1 foot			TR on pile	10		

(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year

PACIFIC ISLANDS

FOURTEENTH DISTRICT

EAST CAROLINE ISLANDS

PONAPE HARBOR
(NO Chart 81453)

(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
PONAPE ISLAND LIGHT Fl. W., 6ˢ(1ˢfl)	On reef south side of Ponape Passage. 7 01.0	 158 12.4	8 600	11	White round tapered concrete tower.		31		1956
— Entrance Buoy 1	In 108 feet 7 01.2	 158 12.4			Black can			White reflector.	
— Entrance Buoy 2	In 105 feet				Red nun			Red reflector.	
— Daybeacon 3	On reef east side of channel.				SB on square pile				
— Daybeacon 4	On reef west side of channel.				TR on square pile				
— Channel Buoy 6	In 150 feet				Red nun			Red reflector.	
— Daybeacon 7	On reef east side of channel.				SB on square pile				
— Daybeacon 8	On reef west side of channel.				TR on square pile				
— Channel Buoy 9	In 162 feet				Black can			White reflector.	
— Daybeacon 10	On reef northwest end of Middle Ground.				TR on square pile				
— Daybeacon 11	On reef northwest end Langar Road.				Black square daymark on square pile.			Green reflector.	
— Channel Buoy 12	In 48 feet				Red nun			Red reflector.	
— Channel Buoy 13	In 162 feet				Black can			White reflector.	
— Daybeacon 14	On reef east of Middle Ground.				TR on square pile				
— Daybeacon 16	On reef south side of channel.				TR on square pile				
— Daybeacon 17	On reef southeast of Langar Island.				SB on square pile				
— Channel Buoy 18	In 126 feet				Red nun			Red reflector.	
— Channel Buoy 19	In 168 feet				Black can			White reflector.	
— Channel Buoy 20	In 84 feet				Red nun			Red reflector.	
— Channel Buoy 21	In 60 feet				Black can			White reflector.	
— Daybeacob 21A	On reef northeast of Not Point.				SB on square pile				
— Channel Buoy 23	In 48 feet				Black can			White reflector.	

PONAPE HARBOR BOAT CHANNEL

(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
— Entrance Daybeacon 1	On reef southeast of Middle Ground. 6 59.9	 158 13.6			SB on pile				
— Entrance Buoy 2	In 30 feet				Red nun			Red reflector.	
— Entrance Daybeacon 3	On east side entrance.				SB on pile				
— Buoy 5	In 40 feet				Black can			White reflector.	
— Buoy 6	In 30 feet				Red nun			Red reflector.	
— Buoy 7	In 6 feet				Black can			White reflector.	
— Buoy 8	In 15 feet				Red nun			Red reflector.	
— Buoy 10	In 6 feet				Red nun			Red reflector.	
— Buoy 11	In 9 feet				Black can			White reflector.	

(1) No.	(2) Name	Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range	Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	TRUK ISLANDS												
	NORTHEAST PASS (NO Chart 81327)												
3836 *F8448*	— LIGHT	Fl. W., 6^s(1^sfl)	On the reef at the south side of northeast Pass.	7 30.1	151 58.7	8	600	11	White tapered round concrete tower.		29		1956
	— Entrance Buoy 2		In 45 feet						Red nun			Red reflector.	
	— Buoy 3		In 150 feet						Black can			White reflector.	
	— Buoy 5		In 210 feet						Black can			White reflector.	
	Scheiben Island Daybeacon		On Scheiben Island	7 29.1	151 50.0				White pyramidal structure				
	GUAM ISLAND (Chart 4196)												
3837 *F8382*	**Ritidion Point Light**	Fl. W., 6^s(1^sfl)	North end of island	13 38.9	144 51.6	9	900	32	NR on pole	20	573	Obscured from 291° to 053°.	1932–1965
	AGANA BASIN APPROACH												
3838	— RANGE FRONT LIGHT	F. Amber	On shore	13 28.5	144 44.9				KWR		33	Range marks break in reef not clear channel to Agana Basin. Private aid.	1961
	— Daybeacon 2		In 5 feet						TR on white pole			Private aid.	
	GUAM ISLAND												
3840 *F8384*	**Orote Point Light**	Occ. W., 4^s(3^slt)	On point	13 26.7	144 37.0	12	3,500	22	NR on concrete tower	23		Obscured from 228° to 357°.	1929–1964
	APRA OUTER HARBOR (Chart 4197)												
3841	— *Entrance Lighted Buoy 1*	Fl. W., 4^s	In 90 feet				100		Black				
3842	— *Entrance Lighted Buoy 2*	Fl. R., 4^s	In 90 feet	13 26.9	144 37.2				Red				
3843 *F8386*	— ENTRANCE RANGE FRONT LIGHT.	F. G.	On Net Depot Dock	13 27.3	144 39.9				KWR		35	8,000 cp visible 2° each side of rangeline. Lighted throughout 24 hours.	1950–1970
3844 *F8386.1*	— ENTRANCE RANGE REAR LIGHT.	F. G.	700 yards 084° from front light.						KWR		65	13,000 cp visible 2° each side of rangeline. Lighted throughout 24 hours.	1950–1964
3844.12	GLASS BREAKWATER LIGHT	Fl. W., 2.5^s	On breakwater	13 27.4	144 37.5	6	200	13	NR on pipe tower		55		1969
	Orote Peninsula Daybeacon B		On shore	13 27.8	144 38.7				NB on concrete pile				1967
	Glass Breakwater Daybeacon N		On breakwater	13 27.8	144 38.5				NB on concrete pile				1967
3844.15	— PIER DOG LIGHT	Fl. W., 4^s	On pier	13 27.7	144 38.8	6	200	10	NR on pole		28	Obscured from 090° to 270°.	1969
3845	— *Lighted Buoy 6*	Fl. R., 4^s	In 84 feet	13 27.2	144 39.1				Red				
	CABRAS ISLAND CHANNEL												
3845.03	— *Lighted Buoy 1*	Qk. Fl. G.	In 90 feet	13 27.5	144 39.2				Black				

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	GUAM ISLAND								
	CABRAS ISLAND CHANNEL								
5.07	—*Lighted Buoy 2* **Qk. Fl. W.**	In 90 feet 13 27.3	144 39.3	....	....	Red		Ra ref.	
5.11	—LIGHT 3 **E. Int. G., 6ˢ**	On SW end of fuel pier. 13 27.5	144 39.5	8 500	10	SB on skeleton tower	29		1964–1970
5.15	—*Lighted Buoy 4* **Fl. R., 4ˢ**	In 110 feet 13 27.3	144 39.7	....	....	Red			
	APRA OUTER HARBOR								
46	—*Lighted Buoy 8* **Qk. Fl. R.**	In 63 feet		....	....	Red			
47	—*Lighted Buoy 9* **Fl. W., 4ˢ**	In 60 feet		 100	....	Black			
48	—*Lighted Buoy 10* **Fl. R., 4ˢ**	In 76 feet		....	....	Red			
49	—*Lighted Buoy 11* **Fl. G., 4ˢ**	In 60 feet		....	....	Black			
	—Channel Buoy 12	In 70 feet		....	....	Red nun		Red reflector.	
	—Buoy 14	In 69 feet		....	....	Red nun		Red reflector.	
50 *387*	—LIGHT **E. Int. R., 6ˢ**	On north end of slip. 13 26.5	144 39.2	6 110	....	NR on skeleton tower	16		1954–1958
	APRA INNER HARBOR								
850.05	—APPROACH RANGE FRONT LIGHT. **F. G.**	On corner of dock 13 26.5	144 39.9	....	....	KRW on skeleton tower	15 15	4,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1969
850.06	—APPROACH RANGE REAR LIGHT. **F. G.**	On shore, 500 feet 141° from front light.		....	....	KRW on pipe tower	24	7,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1969
850.11	—RANGE FRONT LIGHT **F. R.**	.... 13 25.0	144 39.9	....	....	KWB	38	4,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1967
850.15	—RANGE REAR LIGHT **F. R.**	200 yards 176° from front light.		....	....	KWB	55	5,000 cp visible 4° each side of rangeline. Lighted throughout 24 hours.	1967
853 *F8390*	—LIGHT 3 **Fl. G., 4ˢ**	On southwest corner of wharf A.		....	....	SB on tripod	18		1951
3853.11	—LIGHT 4 **F. R.**	At junction of wharfs U and T.		 300	....	TR on pierhead timber	7		1964
	APRA HARBOR WEST CHANNEL								
	Apra Harbor Western Shoal Buoy	In 55 feet 13 26.9	144 39.1	....	....	Black and red horizontal bands; can.		White reflector.	
	MERIZO BAY								
	Mamaon Channel								
	—Buoy 2	In 60 feet 13 16.1	144 39.3	....	....	Red nun		Red reflector.	
	—Buoy 3	In 60 feet		....	....	Black can		White reflector.	
3854.33	*Santa Rosa Reef Lighted Buoy* **Fl. W., 6ˢ (1ˢfl)**	In 78 feet 12 51.9	144 23.6	 190	....	Orange and white vertical stripes.		Ra ref.	

PACIFIC ISLANDS

FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	SAIPAN								
	TANAPAG HARBOR (NO Chart 81076)								
3854.40	— *Approach Lighted Buoy T* **Mo (A) W.**	In 100 feet 15 12.1	145 40.3	 550	....	Black and white vertical stripes.		Ra ref.	
	Okino Rock Buoy OR	In 60 feet		....	....	Red and black horizontal bands;		Red reflector.	
3854.41	MANIAGASSA ISLAND LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On island 15 14.4	145 42.6	7 300	10	NR on pole	30		1969
3854.42	— *Channel Entrance Lighted Buoy I.* **Qk. Fl. W.**	In 40 feet 15 13.7	145 41.9	....	....	Black			
3854.50	— RANGE FRONT LIGHT **F. G.**	On shore 15 13.7	145 44.3	....	....	KWB on skeleton tower	50	3,000 cp visible 4° each side of rangeline.	1969
3854.51	— RANGE REAR LIGHT **F. G.**	On shore, 1,125 yards 088°14′ from front light.		....	....	KWB on skeleton tower	97	5,000 cp visible 4° each side of rangeline.	1969
	— Channel Buoy 3	In 36 feet		....	....	Black can		White reflector.	
	— Channel Buoy 4	In 36 feet		....	....	Red nun		Red reflector.	
	— Channel Buoy 5	In 31 feet		....	....	Black can		White reflector.	
	— Channel Buoy 6	In 32 feet		....	....	Red nun		Red reflector.	
	— Channel Buoy 7	In 30 feet		....	....	Black can		White reflector.	
	— Channel Buoy 8	In 35 feet		....	....	Red nun		Red reflector.	
	— Channel Buoy 9	In 42 feet		....	....	Black can		White reflector.	
	— Channel Buoy 10	In 39 feet		....	....	Red nun		Red reflector.	
	— Obstruction Buoy	In 30 feet 15 13.8	145 44.2	....	....	Black and red horizontal bands; can.		White reflector.	
	TINIAN								
	TINIAN HARBOR (NO Chart 81071)								
	— Channel Buoy 1	In 39 feet 14 57.5	145 37.4	....	....	Black can		White reflector.	
	— Channel Buoy 2	In 42 feet		....	....	Red nun		Red reflector.	
	— Channel Buoy 3	In 42 feet		....	....	Black can		White reflector.	
	— Channel Buoy 4	In 42 feet		....	....	Red nun		Red reflector.	
	— Channel Buoy 6	In 36 feet		....	....	Red nun		Red reflector.	
	WEST CAROLINE ISLANDS								
	Yap Islands								
	TOMIL HARBOR (NO Chart 81193)								
3855 F8424	YAP ISLAND LIGHT **Fl. W., 6^{s} (1^{s}fl)**	On southeast slope of Mount Matade. 9 31.4	138 07.3	9 800	30	White skeleton tower 39	520	Obscured from 102° to 139° and from 167° to 197°.	1957
	— Entrance Buoy 1	In 30 feet		....	....	Black can		White reflector.	
	— Entrance Buoy 2	In 42 feet 9 29.0	138 08.4	....	....	Red nun		Red reflector.	
	— Daybeacon 3	In 6 feet 9 29.1	138 08.2	....	....	SB on pile			
	— Buoy 3A	In 8 feet		....	....	Black can		White reflector.	
	— Daybeacon 4	On reef on east side of channel.		....	....	TR on pile			

(2) Name Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
WEST CAROLINE ISLANDS										
Yap Islands										
TOMIL HARBOR										
— Daybeacon 5	On reef on west side of channel.					SB on pile				
— Daybeacon 6	On reef on east side of channel.					TR on pile				
— Daybeacon 7	On reef on west side of channel.					SB on pile				
— Daybeacon 8	On reef on east side of channel.					TR on pile				
— Daybeacon 9	On reef on west side of channel.					SB on pile				
— Daybeacon 10	On reef on east side of channel.					TR on pile				
— Junction Buoy	In 84 feet					Red and black horizontal bands; nun.			Red reflector.	
— Daybeacon 11	On reef south of Donitsch Island.					SB on pile				
— Daybeacon 13	On reef northeast of Donitsch Island.					SB on pile				
— Daybeacon 14	On reef on east side of channel.					TR on pile				
— Daybeacon 15	On reef on west side of channel.					SB on pile				
— Daybeacon 16	On reef west of Bi Island.					TR on pile				
— Daybeacon 17	On reef on west side of channel.					SB on pile				
— Daybeacon A	On reef northwest of Donitsch Island.					SB on pile				
— Daybeacon B	On reef north of Donitsch Island.					TR on pile				
Worwor Inlet Buoy 1	In 72 feet					Black can			White reflector.	
Worwor Inlet Daybeacon 2	On reef southwest of Donitsch Island.					TR on pile				
Worwor Inlet Buoy 3	In 55 feet					Black can			White reflector.	
Worwor Inlet Buoy 4	In 36 feet					Red nun			Red reflector.	
Palau Islands										
WEST PASSAGE (NO Chart 81148)										
— Entrance Daybeacon	On south side of reef.	7 32.1	134 27.7			NR on pile				
— Daybeacon 1	On reef on north side of West Passage entrance.					SB on pile				
— Daybeacon 2	On reef on south side of West Passage entrance.					TR on pile				
— Daybeacon 4	On reef on south side of West Passage entrance.					TR on pile				
— Daybeacon 5	On reef on north side of West Passage entrance.					SB on pile				

PACIFIC ISLANDS

FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N. Long. W.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground Ht. above water	(7) Remarks	Year
	WEST CAROLINE ISLANDS						
	Palau Islands						
	WEST PASSAGE						
	— Daybeacon 7	On reef on north side of West Passage entrance.	....	....	SB on pile		
	— Daybeacon 8	On reef on south side of West Passage entrance.	....	....	TR on pile		
	— Daybeacon 9	On reef west northwest of Arumaten Point.	....	....	SB on pile		
	— Buoy 10	In 100 feet	....	....	Red nun	Red reflector.	
	— Entrance Range Front Daybeacon.	On reef west of Arumaten Point.	....	....	KWR on pile		
	— Entrance Range Rear Daybeacon.	On shore, Arumaten Point, 870 yards 105° from front daybeacon.	....	....	KWR on pile		
	— Daybeacon 11	On reef, west of Arumaten Point.	....	....	SB on pile		
	— Daybeacon 12	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 13	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 14	On reef on west side of West Passage.	....	....	TR on pile		
	— Corner Range Front Daybeacon	On reef on east side of west Passage.	....	....	KWR on pile		
	— Corner Range Rear Daybeacon	On shore 820 yards 146, from front daybeacon.	....	....	KWR on pile		
	— Daybeacon 15	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 16	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 17	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 19	On reef north of Geshibokuru Island.	....	....	SB on pile		
	— Daybeacon 20	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 21	On reef west of Geshibokuru Island.	....	....	SB on pile		
	— Daybeacon 22	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 23	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 24	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 25	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 26	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 27	On reef on east side of West Passage.	....	....	SB on pile		
	— Daybeacon 28	On reef on west side of West Passage.	....	....	TR on pile		
	— Daybeacon 29	On reef northwest of Orakuru Island.	....	....	SB on pile		
	— Daybeacon 31	On reef west of Orakuru Island.	....		SB on pile		
	— Daybeacon 33	On reef west of Orakuru Island.	...		SB on pile		
	— Daybeacon 34	On reef on west side of West Passage.	....		TR on pile		

I) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range / Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	WEST CAROLINE ISLANDS										
	Palau Islands										
	WEST PASSAGE										
	—Daybeacon 36	On reef on west side of West Passage.					TR on pile				
	—Daybeacon 38	On reef					TR on pile				
	—Buoy 39	In 111 feet					Black can			White reflector.	
	—Daybeacon 40	On reef					TR on pile				
	—Buoy 41	In 120 feet					Black can			White reflector.	
	—Buoy 42	In 170 feet					Red nun			Red reflector.	
	—Buoy 43	In 140 feet					Black can			White reflector.	
	—Buoy 45	In 65 feet					Black can			White reflector.	
	—Daybeacon 46	On reef northwest of Komebail Island.					TR on pile				
	—Buoy 47	In 100 feet					Black can			White reflector.	
	—Buoy 48	In 105 feet					Red nun			Red reflector.	
	MALAKAL PASSAGE (NO Chart 81155)										
56 408	MALAKAL LIGHT Fl. W., $6^s(1^s$fl)	On reef west side of entrance to passage.	7 16.7	134 28.2	8 600	10	White tapered round concrete tower.		24		1956
	—Daybeacon 2	On reef on east side of channel.					TR on pile				
	—Daybeacon 3	On reef on west side of channel.					SB on pile				
	—Daybeacon 4	On reef on east side of channel.					TR on pile				
	—Daybeacon 6	On reef on east side of channel.					TR on pile				
	—Daybeacon 7	On reef on west side of channel.					SB on pile				
	—Daybeacon 8	On reef on east side of channel.					TR on pile				
	—Daybeacon 10	On reef on east side of channel.					TR on pile				
	—Daybeacon 11	On reef on west side of channel.					SB on pile				
	—Daybeacon 12	On reef on east side of channel.					TR on pile				
	—Daybeacon 14	On reef on east side of channel.					TR on pile				
	—Daybeacon 15	On reef on west side of channel.					SB on pile				
	—Buoy 16	In 55 feet					Red nun			Red reflector.	
	MALAKAL HARBOR										
	—Daybeacon 1	On reef south of Malakal Island.					SB on pile				
	—Junction Buoy	In 60 feet					Red and black horizontal bands; nun.			Red reflector.	
	—Buoy 3	In 80 feet					Black can			White reflector.	
	—Buoy 4	In 90 feet					Red nun			Red reflector.	
	—Daybeacon 5	On end of reef southeast of Malakal Island.	7 19.3	134 27.8			SB on round concrete tower				

(1) No.	(2) Name / Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range / Intensity	(5) Geographic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	OKINAWA										
	ORA WAN (NO Chart 97473)										
3857 *F4762*	HENOKO SAKI LIGHT Fl. W., 2.5^{s}	On shore	26 31.0	128 03.3	8 600	11	NR on pole	20	33		1962
3858 *F4762.2*	TAKABAKA SAKI LIGHT Fl. W., 4^{s}	On shore	26 32.0	128 05.4	6 150	6	NR on tower	20	35		1962
3859 *F4762.4*	NAGA SHIMA LIGHT Fl. G., 2.5^{s}	On shore	26 30.9	128 03.8	6 120	14	White concrete block house	20	75		1962
3860 *F4762.6*	AJIKIMA SAKI LIGHT Fl. G., 4^{s}	On shore	26 32.7	128 03.2			NR on pole	20	83	Higher intensity beam toward entrance.	1962
	—Buoy 1	In 93 feet					Black can			White reflector.	
	—Buoy 2	In 180 feet					Red nun			Red reflector.	
	—Buoy 3	In 168 feet					Black can			White reflector.	
	—Buoy 4	In 210 feet					Red nun			Red reflector.	
	—Buoy 5	In 138 feet					Black can			White reflector.	
	—Buoy 6	In 60 feet					Red nun			Red reflector.	
	—Buoy 8	In 108 feet					Red nun			Red reflector.	
	—Buoy 10	In 108 feet					Red nun			Red reflector.	
	KINMU (CHIMU) WAN (NO Chart 97465)										
3861	—*Lighted Buoy 1* Fl. W., 4^{s}	In 60 feet	26 24.7	128 02.1	100		Black			Ra ref.	
3862 *F4760*	— CHANNEL RANGE FRONT LIGHT. F. W.	On shore, north of Hizonna.	26 24.5	127 50.3			White concrete tower	30	112	9,000 cp visible 4° each side of rangeline.	1955
3863 *F4760.1*	— CHANNEL RANGE REAR LIGHT. F. W.	1,765 yards 268° from front light.					White concrete tower.	30	322	13,000 cp visible 4° each side of rangeline.	1955
3864	—*Lighted Buoy 2* Fl. R., 4^{s}	In 150 feet	26 25.0	127 57.4			Red			Ra ref.	
	—Buoy 3	In 104 feet					Black can			White reflector.	
	—Buoy 4	In 120 feet					Red nun			Red reflector.	
	—Buoy 5.	In 100 feet					Black can			White reflector.	
3865.11	—*Lighted Buoy 6* Fl. R., 4^{s}	In 100 feet					Red			Ra ref.	
	—Buoy 7	In 40 feet					Black can			White reflector.	
3866	—*Lighted Buoy 8* Fl. R., 4^{s}	In 72 feet					Red			Ra ref.	
3867	—*Lighted Buoy 9* Fl. W., 4^{s}	In 60 feet			100		Black			Ra ref.	
	—Obstruction Buoy	In 48 feet	26 24.8	127 51.9			Red and black horizontal bands; nun.			Red reflector.	
	BUCKNER BAY (NO Chart 97469)										
3868 *F4752*	Tsuken Shima Light Fl. W., 4^{s}	On westerly side of Tsuken Jima.	26 14.7	127 56.3	8 450	19	White skeleton tower	53	160		1949
3869	—*Entrance Lighted Buoy BB* Mo. (A) W.	In 200 feet	26 13.1	127 58.1	100		Black and white vertical stripes.			Ra ref.	
3870	—*Lighted Buoy 1* Fl. G. 4^{s}	In 132 feet	26 12.1	127 57.3			Black				
3871	—*Lighted Buoy 2* Fl. R., 4^{s}	In 168 feet					Red				
3872	*Chikuniga Shoal Obstruction Lighted Buoy CS.* I. Qk. Fl. W.	In 162 feet	26 12.6	127 54.2			Black and red horizontal bands.			Ra ref.	

) o.	(2) Name Characteristic	(3) Location	Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure	Ht. above ground	Ht. above water	(7) Remarks	Year
	PACIFIC ISLANDS									FOURTEENTH DISTRICT	
	OKINAWA										
	BUCKNER BAY										
3 *53*	TAIRA SONE HATRA SONE LIGHT. **Fl. G., 6^{s}(1^{s}fl)**	On Taira Sone	26 15.5	127 53.2	7 350	13	White concrete tower	56	56		1949–1965
74 *'54*	KATCHIN SAKI LIGHT **Fl. R., 6^{s}(1^{s}fl)**		26 17.6	127 55.0	7 250	20	White concrete tower		200		1949–1956
5 *750*	CHINA SAKI LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On point, at south end of bay.	26 11.0	127 49.4	8 600	19	White concrete tower	35	160	Light also shows through zenith.	1954
	SOUTH SIDE (NO Chart 97461)										
6 *748*	ARA SAKI LIGHT **Fl. W., 6^{s}(1^{s}fl)**	On point, at south end of Okinawa.	26 04.5	127 40.3	8 600	19	White concrete tower	34	155	Light also shows through zenith.	1954
7 *746*	RUKAN SHO REEF LIGHT **Fl. W., 4^{s}**	On reef	26 06.4	127 32.1	6 200	12	White concrete tower	42	49		1954
	NAHA HARBOR (NO Chart 97468)										
79	— *Entrance Lighted Buoy N* **Mo. (A) W.**	In 175 feet	26 13.9	127 38.1	100	....	Black and white vertical stripes.			Ra ref.	
80.10	— ENTRANCE RANGE FRONT LIGHT. **F. R.**	On pier	26 12.5	127 40.1	....	....	White skeleton tower	50	62	1,700 cp visible 4° each side of rangeline.	1967
80.11	— ENTRANCE RANGE REAR LIGHT. **F. R.**	On shore, 747 yards 129° from front light.			....	....	White skeleton tower	96	126	5,000 cp visible 4° each side of rangeline.	1967
80.12	— *Entrance Lighted Buoy 1* **Fl. G., 2.5^{s}**	In 78 feet	26 13.4	127 39.0	....	....	Black				
80.13	— *Entrance Lighted Buoy 2* **Fl. R., 2.5^{s}**	In 90 feet			....	....	Red				
81	— *Entrance Lighted Buoy 3* **Fl. G., 4^{s}**	In 54 feet			....	....	Black				
81.11	— *Entrance Lighted Buoy 4* **Fl. R., 4^{s}**	In 98 feet			....	....	Red				
381.12	— *Entrance Lighted Buoy 6* **Qk. Fl. R.**	In 36 feet			....	....	Red				
381.13	— *Entrance Lighted Buoy 7* **Qk. Fl. G.**	In 45 feet			....	....	Black			Ra ref.	
882.12	— ENTRANCE CHANNEL LIGHT 9. **Fl. G., 4^{s}**	In 6 feet	26 12.7	127 39.9	....	...	SB on pile		14		1967
883 *F4743*	— ENTRANCE CHANNEL LIGHT 10. **Fl. R., 4^{s}**	On pier			 160	....	TR on house		27		1960
	— Daybeacon 11	On point, at Miyegusuku Fort.	26 12.6	127 40.0	....	....	SB on concrete tower		61		
	— Anchorage Buoy A, B, C, D, E, G.	In 36 to 72 feet. Buoy A 0.7 mile 352° from Naha Harbor Daybeacon 11.			....	...	White nuns and cans			White reflector.	
	WEST SIDE (NO Chart 97461)										
3885 *F4740*	KAISAN SHO LIGHT **Fl. W., 4^{s}**	On eastern end of Kamiyama Shima.	26 15.5	127 35.2	8 400	15	White concrete tower	32	90		1954

PACIFIC ISLANDS

FOURTEENTH DISTRICT

(1) No.	(2) Name Characteristic	(3) Location Lat. N.	Long. E.	(4) Nominal Range Intensity	(5) Geo-graphic Range	(6) Structure Ht. above ground	Ht. above water	(7) Remarks	Year
	OKINAWA								
	MACHINATO CHANNEL (NO Chart 97467)								
	— Approach Buoy 2	In 130 feet 26 17.1	127 42.3		....	Red nun		Red reflector.	
	— Buoy 3	In 90 feet			....	Black can		White reflector.	
	— Buoy 4	In 42 feet			....	Red nun		Red reflector.	
	— Buoy 6	In 24 feet			....	Red nun		Red reflector.	
	— Buoy 7	In 24 feet			....	Black can		White reflector.	
	— Buoy 8	In 18 feet			....	Red nun		Red reflector.	
	— Buoy 9	In 24 feet			....	Black can		White reflector.	
3886 *F4758*	IE SHIMA LIGHT Fl. W., 6^s(1^sfl)	On western end of island. 26 43.3	127 45.2	8 600	15	White concrete tower 32	82		1954
3887	*Ie Shima Special Purpose Lighted Buoy 1.* Fl. W., 4^s	In 104 feet 26 42.8	127 44.4	100	....	Orange and white vertical stripes.		Ra ref.	
	PHILIPPINE ISLANDS								
	Luzon Island								
	SUBIC BAY (NO Chart 91289)								
3891	*Twenty-four Foot Shoal Lighted Buoy 2.* Fl. R., 4^s	In 120 feet 14 45.2	120 13.4		....	Red		Ra ref.	
	Macmany Point Buoy 3	In 120 feet 14 46.6	120 12.2		....	Black can		Ra ref.	
3893	*Grande Island Shoal Lighted Buoy 4.* Qk. Fl. W.	In 48 feet 14 46.7	120 13.1	90	....	Red			
3893.10	*Ilanin Bay Lighted Buoy 1* Qk. Fl. G.	In 90 feet 14 46.2	120 15.0		....	Black			
3893.20	*Ilanin Bay Lighted Buoy 3* Qk. Fl. G.	In 75 feet 14 46.1	120 15.3		....	Black			
3894	*Sixteen Foot Shoal Lighted Buoy 6.* Fl. R., 4^s	In 114 feet 14 48.0	120 14.7		....	Red			
	Agusuhin Point Buoy 7	In 100 feet 14 48.7	120 12.8		....	Black can		Ra ref.	
3896	*Cubi Shoal Lighted Buoy 8* Qk. Fl. W.	In 120 feet 14 48.6	120 15.5		....	Red			
3897	*Port Olongapo Lighted Buoy A* Mo. (A) W.	In 120 feet 14 48.8	120 15.1	130	....	Black and white vertical stripes.			
	Mayanga Island Shoal South Buoy 11.	In 60 feet			....	Black can		White reflector.	
3898 *F2675*	KALAKLAN POINT LIGHT Fl. G., 6^s(1^sfl)	14 49.5	120 16.0	8 400	14	White concrete tower 32	77		1961
3899 *F2673*	ILANIN BAY DIRECTIONAL LIGHT. E. Int. W., R. & G. sectors, 6^s	14 46.0	120 15.2	15W 13,000 11R&G 2,500	....	NR on piling on platform	50	White when on centerline of channel, (bearing 140° 44′);red when right and green when left of white beam when entering from seaward.	
	Nagcaban Point Buoy 2	In 45 feet			....	Red nun		Red reflector.	

r numbers in parentheses, see Column 1 ist; other numbers refer to page numbers. re unlighted buoys and daybeacons are :n the same geographic reference in the as the aids in parentheses, the page ber is omitted.)

A

eviations VI
rdeen Harbor, Wash. ...... (2191, 2192)
deen Reach, Wash. .... (2187, 2188)
nathy Point, Col. River. .... (1500)
ham Rocks, Wash. 139
ms Island, B. C. .... (2796)
ve Pass, B. C. .... (2610)
Island, Alaska. .... (3527–3530)
enbrooke Island, B. C. .... (2759)
resses of district offices IV
iralty Inlet, Wash. ...... (2254–2261.11, 2339.51–2370)
onautical lights. XVI
na Basin Approach, Pacific
slands .... (3838, 3839)
te Passage, Wash .... (2372, 2372.11)
te Point, Wash. 175
suhin, Subic Bay, Pacific Islands. .. 304
e Point, Col. River.......... (1548)
talik Island, Alaska......... (3473)
ens Rock, Alaska. 242
Station East Alameda, Calif. ..(731–734)
Station West, Calif. .... (733, 734)
x Reef, Alaska............. (2928)
kima Saki, Okinawa, Pacific
Islands .... (3860)
n Strait, Alaska............ (3518)
tan Harbor, Alaska.......... (3519)
Wai Boat Harbor, Hawaii ..... (3707-3709)
meda Air Station, Calif. ..... (724)
meda Intake, Calif. .... (735)
meda Naval Air Station Channel,
alif. .... (720-735)
mitos Bay, Calif. .... (413-415)
mitos Bay Yacht, Calif. 35
arm Rock, B.C. .... (2615)
aska Peninsula, Alaska ... (3490–3517.50)
bert Head, B.C. .... (2234)
bion River, Calif. .... (56.10, 1203.12)
catraz, Calif. .... (651, 652)
den Bank, Wash. .... (2529)
derdale, Col. River. ...(1798.11, 1799.11)
leutian Islands, Alaska ... (197–206, 3518–3530.50)
itak Bay, Alaska............ (3475, 3476)
kali Flat Creek, Col. River .... (1968.85)
lki Point, Wash. .... (2296)
lligator Island, Alaska......... (3488)
lthorp Rock, Alaska............ (3234)
lviso Channel, Calif. .... (786–788) 58
mchitka Island, Alaska .. (3530.30, 3530.50)
Amelia Earhart, Phoenix Islands,
Pacific Islands. 291
melius Island, Alaska.......... (3105)
mook Island Rock, Alaska. 261
morco Wharf, Suisun Bay, Calif. (891)
mos Island, B.C. .... (138)
Amphitrite Point, B.C. .... (116)
Anacapa Island, Calif. .... (19)
Anacortes Dock, Wash .... (2449.51)
Anacortes Harbor, Wash. ....(2449-2453)
Anaheim Bay, Calif. .... (404.55-412)
Ananiuliak, Alaska............. (200)
Anchor Canyon, Wash. ....(1953, 1954)
Anchor Point, Cook Inlet, Alaska. (3412)
Anchor Rapids, Wash. .... (1956, 1957)
Anchorage 9, Calif. .... (737)
Anchorage, Cook Inlet, Alaska... (3431)
Ancon Rock, Alaska. 236
Anderson Point, Col. River...... (1703)
Anderson Point, Idaho .... (2563)
Andronica Island, Alaska........ (3494)
Angle Point, Alaska............ (2922)
Anita Rock, Calif. .... (648)
Ano Nuevo Island, Calif. .... (41)
Antioch, San Joaquin River, Calif.... (952)
Antioch-Sherman Island, Calif. ...... (958)
Apoon Bar, Alaska.............. (3569)
Apoon Mouth, Alaska............ (3570)
Apoon Pass Entrance Channel, Alaska. ..269
Apple Cove Point, Wash. .... (2264)
Apra Harbor West Channel,
Pacific Islands 297
Apra Harbor Western Shoal, Pacific Islands.
..................................297
Apra Inner Harbor, Pacific
Islands .... (3850.11-3853.11)
Apra Outer Harbor, Guam Island. (3841–3845,
..........................3846–3850)
Apra Outer Harbor Pier Dog, Pacific
Islands .... (3844.15)
Ara Saki, Pacific Islands........ (3876)
Arcadia, Wash. .... (2407)
Arch Point, Alaska .... (3504)
Arctic Coast, Alaska. ....(233–257)
Archibald Islands, B.C. .... (2749)
Arena Cove, Calif. .... (55)
Arlington, Col. River .... (1785.11)
Arlington Cargill, Oregon & Wash. .. (1785.09)
Arrangement of lists VI
Arthur Passage and Malacca Passage,
B.C. .... (2813–2818)
Ash Grove Lime Dock, Col. River .. (2074.11)
Ashdown Island, B.C. .... (2803)
Astoria, Col. River .... (1408–1417)
Astoria-Point Ellice Bridge, Oregon &
Wash. .... (1406.11)
Atigaru Point Racon, Alaska. .... (248)
Aunuu Island, Samoa Islands,
Pacific Islands .... (3800)
Avalon, Calif. .... (395)
Avalon Bay, Calif. ....(395.20, 395.30)
Avery, Col. River............. (1752)
Avon Wharf, Calif. .... (904, 905)
Ayer, Col. River .... (1968.49, 1968.51)

B

Bachelor Dike, Col. River....... (1585)
Bachelor Point, Col. River...... (1584)
Bahia Point, Calif. .... (356.40)
Bailey Ledge, Alaska 265
Bailey Rock, Alaska........... (2941)
Bainbridge Reef, Wash. .... (2381)
Bajo Reef, B.C. .... (132.51)
Baker Bay West Channel, Col.
River........................(2004-2016)
Baker Island, Line Island
Pacific Islands. 29
Baker Point, B.C. .... (2801)
Balandra Shoal, Alaska. 239
Balboa Island, Calif. .... (372)
Ballast Point, Calif. .... (312)
Ballena Bay, Calif. .... (736)
Ballena Island, Alaska.......... (3260)
Ballenas Islands, B.C. .... (2646)
Baltimore Rock, Oreg. 11
Bangor Aero, Wash. .... (2362.51)
Bangor Explosive Anchorage,
Wash. ....(2362, 2364)
Bangor Wharf, Wash. .... (2362.61)
Bar Point, Alaska.............. (2954-2956)
Baralof Bay, Alaska............. (3500)
Barbers Point, Hawaii .... (3743–3748)
Barbers Point Aero, Hawaii. .... (3743)
Barbers Point Anchorage Area,
Hawaii. .... (3744–3748)
Barbers Point Reef, Hawaii ....(3746)
Bardt Obstruction, Calif. .... (707.80)
Bare Point, B.C. .... (2614)
Barlow Point, Col. River........ (1512)
Barlow Point Channel, Col. River. (1513)
Barnaby Flats, Col. River, Wash...... (1996)
Barren Island, Alaska .... (2902)
Barrett Rock, B.C. .... (2828)
Barretts Lower Dike, Oreg. .... (1323)
Barretts Range, Oreg. .... (1321, 1322)
Barretts Upper Dike, Oreg. ...... (1324)
Barrier Islands, Alaska.......... (3104)
Bartd Obstruction, Calif. .... (707.80)
Battery Island, Sitka Sound, Alaska .. (3302, 3302.50)
Battery Point, Lynn Canal, Alaska... (3191)
Battle Point, Wash. .... (2373)
Bay Center Channel, Wash. ......(2137-2140)
Bay Point, Alaska. 218
Bayview, Col. River............ (1450)
Beacon Point, Alaska. 224
Bearings VI
Beauclerc Island, Alaska........ (3102)
Beaumont Island, B.C. .... (2771)
Beaver Pier, Col. River.........(1497, 1498)
Bechevin Bay, Alaska. 264
Beck Island, Alaska............ (2991)
Beecher Pass, Alaska........... (3012)
Begg Rock, Calif. .... (393)
Behm Canal, Alaska .... (2965–2971)
Belkofski, Alaska............. (3507)
Bell Island, Alaska............ (2971)
Bella Bella, B.C. .... (2768)
Belle Rock, Wash. .... (2480)
Bellevue Marina Dock, Wash. .... (2400.75)
Bellingham Bay, Wash. .... (2468–2472)
Bellingham Bay Rocks, Hale Passage,
Wash. 185
Bellingham Breakwater, Wash. ... (2469, 2470, 2472)
Bellingham Channel, Wash. ..... (2462–2467)
Belmont, Calif. .... (417)
Belvedore Cove, Calif. 50
Ben Mohr Rock, B. C. ....(2604)
Ben Ure Island, Wash. .... (2445)
Bend (The), Alaska............ (3552)
Benicia, Calif. .... (889)
Benicia-Martinez Highway Bridge,
Calif. .... (892, 893)
Beovert, Col. River............ (1913)
Bering River Entrance, Alaska. 249
Bering Sea, Alaska. .... (214, 215) 268
Bering Strait, Alaska. .... (224–227)
Berkeley Breakwater, Calif. (793.12–793.14)
Berkeley Marina, Calif. ... (794.11, 794.12)
Berkeley Pier, Calif. .... (793.11)
Berkeley Race Course, Calif. 58
Berkeley Reef, Calif. .... (794.51)
Berkeley Shoal, Calif. .... (793)
Bernie Slough, Wash. 102

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Berth 302 Test A & B, Calif. 38
Big Eddy, Col. River........... (1747)
Big Rose Island, Alaska. 247
Biggs Rapids, Col. River........(1763, 1764)
Biggs Shoal, Oreg. & Wash. 123
Bill Point, Alaska.............. (3088)
Billings Head, Alaska........... (197)
Bingen, Col. River............. (1721-1723)
Bingen Boat Basin, Col. River...(1724, 1725)
Bingham Landing, Oreg. .... (2086)
Bird Rock, Alaska. 225
Bird Rocks, Wash. .... (2497)
Birnie Island, B.C. .... (2842)
Bissell Flats, Col. River .... (1993)
Black Bay Ricks, Alaska. 248
Black Dog, Oreg. 149
Black Rock, Alaska............. (2918)
Black Rock, Rosario Strait, Wash. 186
Blaine Small Harbor, Wash. ...... (2531. 11)
Blake Channel, Alaska.. (3001. 10, 3001. 20)
Blake Island, Wash. .... (2297)
Blakely Island Shoal, Wash. ..... (2483. 11)
Blakely Rock, Wash. .... (2285)
Blalock Island, Col.
River .... (1819. 11, 1820. 11)
Blank Islands, Alaska........... (2942)
Blaquiere Point, Alaska......... (3011. 11)
Bligh Reef, Alaska............. (3359)
Blind Point, Alaska.............(3038, 3039)
Blinkhorn Peninsula, B.C. ....(2697)
Block Head, B.C. .... (2807. 50)
Block Island, Alaska............ (3253)
Block Islands, B.C. .... (2740)
Blonde Reef, Hawaii............(3625, 3626)
Blossom Rock, Calif. .... (662)
Bluff Point, Behm Canal, Alaska. (2969)
Blunts Reef Lightship, Calif. .... (63. 10)
Boat Basin, Yaquina Bay, Oreg. (1351, 1352)
Boat Bluff, Tolmie Channel, B.C. ... (2782)
Boat Rock, Alaska.............. (2914)
Boat Rock, Wash. .... (1691)
Bocas De Finas, Alaska.........(3273, 3274)
Bodega Bay, Calif. .... (1191-1202)
Bodega Harbor, Calif. .... (1192. 11–1202)
Bodega Harbor Approach, Calif. ..... (1191)
Bodega Head, Calif. .... (53, 1191. 11)
Boeing Creek, Wash. 165
Boise Cascade Kraft, Col. River ... 128,129
Bolinas, Calif. .... (51, 633)
Bonilla Island, B.C. .... (2741)
Bonita Channel, Calif. .... (635, 637-638)
Bonneville Bam, Col. River 118
Bonneville to The Dalles, Col.
River .... (1688 - 1746)
Borde Island, B.C. .... (2806)
Bordelais Islet, B.C. .... (113)
Bosquet Point, B.C. .... (2758)
Boulder Reef, Wash. ....(2487. 11)
Boundary Bay, Wash. ....(2532–2537)
Boundary Pass, Wash. .... (2527–2528)
Boyer, Washington. .....(1969. 85–1969. 91)
Brad Rock, Alaska. 246
Bradbury Slough, Col. River ...... (1509. 44)
Bradford Island, Col. River...... (1689)
Bradford Slough, Col. River......(1688, 1690)
Brandy Island, Oreg. .... (1337. 11)
Breaker Point, Samoa Islands, Pacific
Islands .... (3801)
Brickyard Cove Harbor, Calif. ... (816. 11, 816. 12)
Bridges, lighting of XI
Brisco Point, Wash. .... (2328)
Bristol Bay, Alaska .. (207-213, 3532-3565)
Bristol Bay Cannery, Alaska..... (3550)
Broad Island, Alaska .... (3331. 30)
Broken Island, B.C. .... (2695)
Brookley Basin, Calif. 53
Brotchie Ledge, B.C. .... (2237)
Broughton Strait, B.C. ....(2698-2701)
Brown Channel, B. C. ....(139. 11)
Brown Island, Wash. 122
Browning Entrance, B.C. .... (2744)
Browns Bay, Wash. .... (2263. 11)
Browns Island, Wash. 188
Browns Point, Wash. .... (2302)
Brownson Islands, Alaska. 218
Bucarelli Bay, Alaska. .... (3256–3258)
Buckeye Shoal, Rosario Strait, Wash. .. (2487)
Buckner Bay, Okinawa..........(3868-3875)
Budd Inlet, Wash. ....(2330-2339)
Budds Chute, Oreg. 148
Buena Vista Pool, Oreg. 149
Bugby Hole, Col. River.......... (1463)
Bull Run, Col. River........... (1915)
Bunker Hill, Col. River.......... (1501)
Buoys. .... XIV, XVII
Burke Dike, Col. River.......... (1560)
Burnt Island, El Capitan Passage,
Alaska...................... (3282)
Burnt Island, Wrangell Narrows,
Alaska........................(3023, 3024)
Burrows Bay Junction, Wash. 186
Burrows Island, Wash. .... (2478)
Busby Island, Alaska........... (3360)
Bush Point, Alaska............. (3468)
Bush Point, Wash. .... (2257)
Bush Top Island, Alaska...... ..(3029, 3030)
Bushy Island, Alaska........... (2995)
Bushy Point, Alaska ....(2968. 11)
Button Island, Alaska, ... 219
Butterworth Island, Alaska........ (3011. 50)
Butterworth Rock, B.C. .... (2748)
Bybee Ledge, Col. River........ (1553)

C

Caamano Point, Alaska.......... (2983)
Cabras Island Channel, Pacific Islands. ....
(3845. 03–3845. 15)
Cabrillo Beach, Calif. 39
Cage Igvak, Alaska. .... (3490)
Caines Head, Alaska............ (3388)
Calder Rocks, Alaska .... (3103)
California Rock, Alaska......... (2944)
Clallam Reef, B. C. 161
Camano Head, Wash. 180
Camas, Col. River............. (1634)
Camas Slough, Col. River....... (1633-1636)
Camel Bluff, Col. River......... (1975)
Camp Pendleton, Calif.
.... (7. 03, 7. 05, 363. 10, 363. 20)
Camp Pendleton Restricted Area, Calif. 1
Camp Point, B.C. .... (2691)
Campbell River, B.C. .... (2681)
Canal Point, Alaska........... (217, 3574)
Candiana, Col. River........... (1668)
Candlepowers......................... VI
Cannery Sands Dike, Oreg. .... (1327)
Canoe Pass, B.C. .... (2628)
Cape Alitak, Alaska............ (3475)
Cape Arago, Oreg. .... (81)
Cape Bartolome, Alaska. ....(155, 3256)
Cape Beale, B. C. .... (112)
Cape Blanco, Oreg. .... (79)
Cape Blossom, Alaska.......... (3593)
Cape Caution, B.C. .... (2721)
Cape Chacon, Alaska.......... (2903, 2973)
Cape Chiniak, Alaska.......... (187)
Cape Cockburn, B.C. .... (2668)
Cape Darby, Alaska.............(220, 3581)
Cape Deceit, Alaska........... (3594)
Cape Decision, Alaska..........(158, 3111)
Cape Disappointment, Col. River .(96, 1381)
Cape Edgecumbe, Alaska........ (160, 3284)
Cape Elizabeth, Alaska. .... (3400. 50)
Cape Espenberg, Alaska......... (3592)
Cape Fanshaw, Alaska .... (3086)
Cape Flattery, Wash. ....(107, 2220)
Cape Flores, Alaska............ (3257)
Cape Greig, Alaska............ (210)
Cape Halkett Racon, Alaska .... (246)
Cape Hinchinbrook, Alaska....... (178)
Cape Horn, Col. River ..... (1667, 1671)
Cape Horn, Idaho .... (2571)
Cape Kiwanda, Oreg. .... (90. 11)
Cape Krusenstern, Alaska. ....(227. 50)
Cape Kumukahi, Hawaii......... (3634)
Cape Lazo, B.C. .... (2661)
Cape Lookout, Oreg............ (91)
Cape Lynch, Alaska............ (3274)
Cape Meares, Oreg............. (92)
Cape Mendocino, Calif. .... (62)
Cape Menshikof, Alaska 266
Cape Mohican, Alaska.......... (215)
Cape Mudge, B.C. .... (2680)
Cape Muzon, Alaska........... (153, 3242)
Cape Ommaney, Alaska..........(159, 3115)
Cape Pankof, Alaska........... (193)
Cape Prince of Wales, Alaska..... (225)
Cape Rodney, Alaska........... (223)
Cape Roger Curtis, B.C. .... (2636)
Cape St. Elias, Alaska......... (173, 174)
Cape St. James, B.C. ....(146, 2724)
Cape San Martin, Calif. .... (35)
Cape Sarichef, Alaska.......... (196)
Cape Scott, B.C. .... (145)
Cape Seniavin, Alaska.......... (208)
Cape Simpson Racon, Alaska. ....(242)
Cape Spencer, Alaska...........(166, 3232)
Cape Stephens, Alaska.......... (218, 3575)
Cape Strait, Alaska............ (3083)
Cape Ulitka, Alaska............(156, 3272)
Cape Uyak, Alaska............ (3477)
Cape Wedge, Alaska........... (3493)
Cape Yakak, Alaska........... (206)
Caples Dike, Oreg. .... (1563)
Capsante, Wash. .... (2450, 2451)
Capsante Waterway, Wash. ..(2451. 11–2453)
Captains Bay, Alaska. 265
Carlsbad, Calif. .... (6)
Carlsbad Life Guard Training Calif. 1
Carmanah, B.C. ....(109, 2219)
Carolina Channel, B.C. .... (117)
Carolyn Island, Alaska.......... (3582)
Carquinez Strait, Calif. ..... (880 - 890. 13)
Carr Inlet, Puget Sound,
Wash. .... (2325–2325. 10)

numbers in parentheses, see Column 1
st; other numbers refer to page numbers.
re unlighted buoys and daybeacons are
n the same geographic reference in the
as the aids in parentheses, the page
ber is omitted.)

olls Channel, Col. River... (1530, 1531)
cade Locks, Col. River. 119
cade Rapids, Col. River ... (1694–1698)
cadia Lumber Company, Oreg. (1350.11)
e Shoal, Hood Canal, Wash. 174
ey, Col. River. 128
ey Point, B.C. (2830)
iver (1802.11, 1804.11)
tro Rocks, Calif. (823)
hlamet Bay Prairie Channel, Col.
iver (2052-2057)
hlamet Bay South Channel, Col.
River (2049, 2050)
hlamet Channel, Col. River...(1481-1484)
hlamet Dike, Col. River (1479)
tle Point, Wash. (2493)
tionary Notes Concerning Aids to
Navigation. XII–XVI
cil Patch, B.C. (2816)
dar River Flats, Wash. (2101)
ilo, Col. River (1754)
lilo Boat Basin, Col. River.... (1754.11)
nter Island, Alaska. 237
nter Reef, Wash. 189
nter Island Reef, Wash. 186
rritos Channel, Calif. (464)
annel Island, Prince William Sound,
Alaska (3349)
annel Island, Tongass Narrows,
Alaska (2960)
annel Island Rock, Alaska. 250
hannel Islands Harbor, Calif. ..(497–499.13)
hannel Rock, Sitka Sound,
Alaska (3303, 3304)
hapin Island, Alaska. 241
haracter of lights VI
haracteristic Light Phases IX
harley Creek, Wash. 158
hart references VI
hatham Island, Alaska (3400)
hatham Point, B.C. (2686)
hatham Sound, B.C. (2819-2826, 2835-2845)
hatham Strait, Alaska (3114-3128,
3202-3213)
heenik, Alaska (3585)
Chehalis River, Wash. ......(2193.11–2202)
Chelan Falls, Lake Entiat, Wash. 137
Chernofski Harbor, Alaska (3525)
Chetco River, Oreg. .. (73–76, 1242–1245.13)
Chew, Col. River (1968.57)
Chignik Spit, Alaska (3491)
Chikuniga Shoal, Okinawa (3872)
Chilkoot Inlet, Alaska. ..... (3190–3196.50)
China Bar, Wash. (2001-2003)
China Bluff, Col. River (1976)
China Point, Calif. (379)
China Saki, Pacific Islands (3875)
Chiniak Bay, Alaska (3464)
Chinook Channel, Col. River.....(2017-2021)
Chinook Dike, Col. River (2043)
Chisik Island, Alaska (3414)
Cholberg Point, B.C. (2715)
Christie, Oreg. (2085)
Elliot Bay, Idaho (2566)
Chrome Island, B.C. (2652, 2653)
Chrow Island, B.C. (114)
Chugach Passage, Alaska (3398)
Chula Vista Channel, Calif. 29
Church Point, Wash. (2409)
City Waterway, Tacoma Harbor, Wash. ..(2308)
Clackamas Rapids, Oreg. (2089)
Clallam Reef, Wash. 161
Clarence Strait, Alaska (2973-2996)
Clark Fork, Idaho (2567)
Clark Point, B.C. (2757)
Clatsop Spit, Oreg. (1386, 1387,
1389, 1393, 1395, 1396)
Clear Point, Alaska (3201)
Cleaveland, Col. River .....(1504.12, 1505)
Clements Reef, Wash. 190
Cliff Island, Wash. (2496)
Cliff Point, Alaska (2910)
Clifton Dike, Col. River (1461, 1462)
Clo-oose, B.C. (110)
Clover Island, Col. River 129
Clover Passage, Alaska (2965)
Coast and Geodetic Survey, Wash. ..(2398.11)
Coast Guard Pier, Calif. & Nev.... (1240.51)
Cob Island Reef, Alaska. 241
Cocoanut Island, Hawaii (3629)
Coffin Island, B.C. (2617)
Coffin Rock, Col. River (1541)
Cohen Island Rock, Alaska (3407.70)
Cold Bay, Alaska (3509-3513)
Collier Pier, Alaska .... (3418.94, 3418.95)
Collins Point, Col. River (1704)
Collision with or damage to aids. XI
Colman Ferry Terminal, Seattle
Harbor, Wash. (2289)
Columbia City, Col. River (1565, 1566)
Columbia River, Oreg. and Wash. (1381–2089)
148, 149
Columbia River Entrance, Wash. .(1382–1385)
Columbia River Lightship, Oreg. ... (95)
Columbia River South Jetty, Wash. 97
Columbine Rock, Alaska. 246
Column Point, Alaska. 237
Colvos Passage, Wash. (2303-2307)
Colvos Rocks, Wash. (2258, 2350)
Commencement Bay, Wash. (2308-2315)
Commercial Basin, Calif. (323.30)
Comox Bar, B.C. ..... (2657, 2658, 2660)
Conconi Reef, B.C. (2602)
Cone Rock, Calif. (658)
Constantine Harbor,
Alaska (3530.30, 3530.50)
Constantine Rock, Calif. 45
Contents V
Contest Point, Idaho (2561)
Controller Bay, Alaska (3342)
Cook, Col. River (1705)
Cook Inlet, Alaska. (3394.50–3431)
Cook Point, Col. River (1708, 1709)
Cooper Point, Col. River (1487)
Coos Bay, Oreg. (82, 1254-1311)
Coos River, Oreg. (1303-1308)
Copper Islands, B.C. (2726)
Copper River Delta, Alaska. ... (3343–3344)
Coquille River, Oreg. (80, 1248-1253)
Corbett, Col. River (1659, 1662)
Cordova, Alaska (3356)
Cordova Bay, Alaska (3241-3244)
Cordova Boat Harbor, Alaska (3357)
Corinthian Yacht Club, Wash. 178
Cornet Bay, Wash. 182
Cornwallis Point, Alaska (3131)
Coronado Cay Channel, Calif. .... (351–352)
Cortes Bank, Calif. (378)
Cosmos Pass, Alaska. 241
Cottonwood Island, Col. River ...(1526, 1527,
1528, 1531.11–1540)
Cottonwood Island Dike, Col. River. (1531.11–
1533, 1536)
Cottonwood Island Turn, Col. River .. (1535)
Couch Island, Wash. (1963)
Coulee Dam (Above), Wash. ... (1972–2003)
Court, Col. River (1968.53)
Cow Point Pier, Wash. (2186.09)
Cow Point Reach, Wash. ...... (2184, 2185,
2186.11, 2186.23)
Cowan Point, B.C. (2635)
Cowlitz River, Oreg. (1529)
Coyote Point Yacht, Calif. ...... (767, 768)
Cozian Reef, Alaska (3331)
Cracroft Island, B.C. (2696)
Crafton Island, Alaska (3376)
Craig Point, Sumner Strait, Alaska ..(3010.11)
Craig, San Alberto Bay, Alaska... (3264)
Crane Islands, B.C. (2713)
Crates Point, Col. River (1742)
Creosote, Wash. (2378)
Crescent, Alaska ..... (3295.30, 3295.50)
Crescent Bay, Wash. (2231)
Crescent Boat Harbor, Alaska. 244
Crescent City, Calif. (70.11)
Crescent City Harbor, Calif. ..... (69,
1234-1240)
Crescent City Inner Breakwater,
Calif. (1238)
Crescent City Outer Breakwater. .....(70.11,
1236)
Crescent Harbor, Wash. (2424)
Crims Island Channel, Col. River. .... (1502)
Crims Island, Col. River. (1509.11–1509.33)
Crims Island to St. Helens, Col.
River (1503-1572)
Crims Island to Helens, Col. River(1503–1509,
1511–1516, 1521–1528, 1531–1572)
Crofton, B.C. (2612)
Cross Island Racon, Alaska. (255)
Cross Sound, Alaska (3229-3240)
Crow Butte, Col.
River (1801.11, 1805.11)
Crown Zellerbach, Col. River. ... (2240.12–
2240.16)
Crown Zellerbach Dock, Wash. .. (2343.11)
Crown Zellerbach Water Intake, Col.
River (1469.11)
Crumble, Col. River (1968.35)
Cubi Shoal, Philippine Islands.... (3896)
Culross Island, Alaska (3370)
Cultus Bay, Wash. 164
Curacao Reef, Alaska. 240
Curlew Reef, Alaska. 233
Currie Islet, B.C. (2723)
Cutter, Col. River (1968.21)
Cutter Rocks, Alaska. 212
Cyane Rock, Alaska. (3442)
Cypress Island, Wash. (2462)
Cyril Rock, B.C. (2671)

D

Dall Rocks, B.C. (2773)
Dalles (The) Dam, Col. River 122
Dalles Boat Basin (The) Col. River.. (1745)
Dalles (The) to John Day Dam, Col.
River. (1747–1768) 124

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Dalles (The) to John Day Dam, Main Channel, Col. River. .. (1747–1756, 1763–1768) 124
Dana Point Inner Breakwater, Calif. ..(363.20)
Dana Point Outer Breakwater, Calif. (363.10)
Dana Point Sewer Outfall, Cal. 2
Danger Point, Chatham Strait, Alaska. (3207)
Danger Reef, B.C. .... (2625)
Danger Shoal, Haro Strait, Wash. ... (2507)
Dangerous Cape, Alaska......... (188)
D'Arcy Island, B.C. .... (2504.10)
Darrows, Oreg. 148
Davidson Inlet, Alaska. .... (3276–3282)243
Davidson Point, B.C. .... (149)
Davidson Rock, Wash. .... (2477)
Davin, Col. River ....(1968.59)
Dawes Street Landing, Calif. .... (358.61)
Daybeacons XVI
Daylight Controls XVIII
Dead Tree Point, B.C. .... (2730)
Decatur Reef, Wash. .... (2286)
December Point, Alaska ....(3014.50)
Deception Pass, Wash. .... (2445, 2446)
Decision Point, Alaska.......... (3373)
Decker Island, Calif. .... (1072)
Deep Bay, Alaska. 247
Deep Bay, B.C. .... (2654)
Deep River Channel, Col. River. 143
Deepwater Point, Alaska......... (3134)
Deer Island, Alaska. 264
Deer Island, Col. River. ...... (1554, 1562)
Deer Point, Col. River.......... (1974)
Deer Point Shoal, Alaska.............. 213
Degaussing Range, Calif. ...... (649, 650)
Del Norte County, Calif. .... (72)
Delta Point, Alaska............ (3513)
Denman Island, B.C. .... (2656)
Dennis Shoal, Wash. 186
Depoe Bay, Oreg. .... (90, 1366-1369)
Depths............................ VI
Desconocida Reef, Alaska. 240
Description and use of aids to navigation XVI
Description of columns............... VI
Desdemona Lower Sands, Col. River .. (1404)
Desdemona Sands, Col. River..... (1399)
Desdemona Sands Channel, Col. River ..(1397–1398.11, 1400, 1402-1403)
Des Moines, Wash. .... (2299.03)
Des Moines Marina, Wash. ...... (2299.04–2299.08)
Destruction Island, Wash. .... (103)
Detillion Campground, Wash. (1983.11)
Devils Bend Rapids, Col. River 127
Devils Head, Wash. .... (2325.11)
Devils Pasture, Col. River 138
Diamond Head, Hawaii .... (3703, 3704)
Dibblee Dike, Col. River........ (1522)
Dicks Arm, Alaska. 236
Dillon, Col. River 122
Dillon Rock, B.C. .... (2716)
Dippy Island Rock, Alaska. 248
Discovery Island, B.C. .... .. (2239, 2501)
Discovery Passage, B.C. ....(2680-2686)
Distance-finding stations..............XVIII
Distances VI
Diver Islands, Alaska........... (154, 3255)
Dixon Entrance, Alaska. ..... (2900–2904)
Dofflemyer Point, Wash. .... (2329)
Dolphin Point, Alaska........... (3487)
Donald Islets, B.C. .... (143)
Donald Point, B.C. .... (2772)
Dora Reef, Alaska. ..... (183.20, 3397.50)
Double Bluff, Admiralty Inlet, Wash. .. (2259, 2260)
Double Cove Point, Oreg. .... (1320)
Double Island, B.C. .... (136)
Double Rock, Zimovia Strait, Alaska. ... 219
Douglas Boat Harbor, Alaska..... (3151)
Douglas Fir Dock, Oreg. .... (1285.11)
Doves Bar, Col. River. 148
Doyle Island, B.C. .... (2708)
Drakes Bay, Calif. .... (632)
Drayton Passage, Wash. .... (2324)
Driest Point, Alaska............ (2936)
Drift River Terminal, Alaska .... (3414.80, 3414.85)
Driftwood Point, Idaho.......... (2544)
Driscoll, Col. River......... (1471, 1472)
Dry Pass, Alaska. 242, 243
Dry Spruce Bay, Alaska.......... (3483)
Dry Spruce Island Rock, Alaska... (3484)
Dry Strait, Alaska..... ...(3011.11, 3011.13)
Dryad Point, B.C. .... (2769)
Dtokoah Point, Wash. .... (2226)
Duck Club, Col. River ...... (1576.11, 1577, 1578.11)
Duck Creek, Alaska............ (3554)
Duck Point, Alaska............ (3087)
Duckers Island, B.C. .... (2802)
Duff Islet, B.C. .... (2703)
Dugout Rocks, B.C. .... (2755)
Dumbarton, Calif. .... (783, 784)
Duncan Canal, Alaska ....(3011.50–3012)
Duntze Rock, Wash. ....(108, 2221)
Duwamish Head, Wash. .... (2295)
Duxbury Reef, Calif. .... (634)

E

Eagle Harbor, Wash. ....(2378-2380)
Eagle Island, Wash. .... (2323)
Eagle Island Reef, Wash. 170
East Amatuli Island, Alaska......(183, 3397)
East Bissell, Wash. .... (1992.11)
East Brother Island, Calif. ...... (839)
East Caroline Islands, Pacific Islands. .... (3835)295
East Chugach, Alaska...........(182, 3395)
East Clump, Alaska............. (2957)
East Crossing, San Francisco Bay, Calif. ....(676–682)
East Foreland, Alaska........... (3421)
East Independence, Oreg. 148
East Island, Alaska .... (2917.20)
East Kinahan Island, B.C. ...... (2825)
East Passage, Wash. ....(2296-2302)
East Pinta Rocks, Alaska. 229
East Point, Lake Coeur D'Alene, Idaho.(2547)
East Point, Saratoga Passage, Wash...(2418)
East Reach, Wash. ....(2166.33–2166.36)
East Shore Kodiak Island, Alaska. (184-189)
East Side, Hecate Strait, B.C.(2737–2752.11)
East Waterway Ferries, Seattle Harbor, Wash. ....(2291)
East Waterway Pier, Wash. ..... (2290.11)
Easterly Island, Alaska .... (2996.30)
Eastern Channel, Alaska. .. (3287–3293.50)
Eastern Island Channel, Midway Islands...................... (3788, 3789)
Echo Island, Oreg. ....(1335.11, 1336)
Eckholms (The), Alaska......... (3287)
Ediz Hook, Wash. ....(2241, 2242)
Edmonds Breakwater, Wash. ..... (2268)
Edmonds Dock, Puget Sound, Wash. .. (2267)
Edmonds Small Boat Harbor, Wash. ... (2269-2271)
Edna Bay, Alaska..............(3277, 3278)
Eek Point, Alaska .... (3245.50)
Egegik, Alaska. 267
Egegik Entrance, Alaska......... (3535)
Egg Island, B.C. .... (2753)
Egg Island, Alaska Peninsula, Alaska. .. 263
Egg Island, Norton Sound, Alaska.(219, 3577)
Egg Islands, Alaska............ (176)
Egg Islands, Copper River Delta, Alaska..................... (3343)
Eighteenmile, Col. River....... (1728, 1729)
Ekuk, Alaska................ (3563, 3564)
El Captain Passage, Alaska. ..... (3282)243
El Carmel Point, Calif. ... (356.45, 356.50)
El Segundo, Calif. .... (484)
Eldred Rock, Alaska........... (3188)
Elfin Cove, Alaska .... (3233, 3233.50)
Eliza Rock, Wash. .... (2465)
Elizabeth Point, B.C. .... (2832)
Elk Rock Island, Oreg. .... (2084)
Ellamar, Alaska............... (3361)
Eastern Passage, Alaska ..... (3001.30–3001.50)
Elliott Bay, Wash. .... (2288–2305)
Elliott Point, Col. River.... ... (1437)
Elovoi Island Rock, Alaska. 243
Elrington Passage, Alaska... (3382–3385.11)
Emerald Bay, Calif. 84
Emerald Island, Alaska. 240
Emergency fog signals XIII
Emergency lights XIII
Empire, Coos Bay, Oreg. ....(1270.11–1272)
Eniwetok South Channel, Pacific Islands. 294
Enterprise Reef, Strait of Georgia, B.C. .... (2606)
Entrance Island, Sitka Sound, Alaska.. (3320)
Entrance Island, Strait of Georgia, B.C. .... (2640)
Entrance to Harrington Point, Col. River. .... (1381–1428.11, 2004–2057)
Entrance to Harrington Point, Main Channel, Col. River. ....(1381–1428.11)
Entrance Point, Valdez Arm, Alaska. 251
Entry Point, Eastern Channel, Alaska. (3291)
Epsom Point, B.C. .... (2663)
Ernest Sound, Alaska ... (2996.30–2996.70)
Esperanza Inlet, B.C. .... (134)
Estero Bay, Calif. .... (601.11–608)
Estero Submarine, Calif. 45
Estero Wharf, Calif. .... (608)
Estevan Point, B.C. .... (132)
Etolin Point, Alaska. 267
Eureka, Col. River.............. (1490)
Eureka Bar Dike, Col. River..... (1494)
Eureka Channel, Col. River.... (1486, 1488)
Eureka Dike, Col. River... (1489, 1491-1493)
Eureka Entrance, Calif. .... (1223)
Eureka Marine Supply, Calif. .... (1224.11)
Eureka Mooring, Calif. .... (1224.10)
Eureka Pass, Alaska. 237
Evans Bay, Alaska.............. (3381)

r numbers in parentheses, see Column 1
ist; other numbers refer to page numbers.
ere unlighted buoys and daybeacons are
en the same geographic reference in the
as the aids in parentheses, the page
ber is omitted.)

ns Island, Alaska (3383)
rett Harbor, Wash. (2413-2416)
a Beach, Hawaii (3743.11)
plosive Anchorage 13, Calif. 59
plosive Anchorage 14, San Francisco Bay, Calif. (743) 55
e Opener (The), Alaska (3090)

F

rway Island, Alaska (3333)
les, Col. River (1586)
lls Creek, Col. River (1990)
lse Bay, B.C. (2648)
alse Pass, Alaska (3517.50)
lse Point Pybus, Alaska. 229
lse Point Retreat, Alaska. 233
rallon, Calif. (46)
ashion Reef, Col. River (1669, 1670, 1673)
auntleroy Cove, Puget Sound, Wash. (2298)
auntleroy Point, Rosario Strait, Wash. (2482)
aust Rock, Alaska (3198)
avorite Channel, Alaska (3181-3184)
avorite Reef, Lynn Canal, Alaska (3197)
ederick Island, B.C. (150.90)
egan Islets, B.C. (2650)
elice Strait, Alaska (2926-2932)
erguson Creek, Wash. (1983.15)
Ferndale, Coos Bay, Oreg. (1296-1299)
erry Landing, Col. River. 124
Fibreboard Wharf, Wash. (2246.11)
Fidalgo Bay, Wash. (2449-2453)
Finger Shoal, Alaska (3528)
Fire Island, Alaska (3425)
Fire Island Range, Alaska (3426.20, 3426.30)
Fisgard, B.C. (2235)
Fish Egg Reef, Alaska (3263)
Fish Harbor Channel, Calif. (472-476)
Fish Hook Rapids, Wash. (1948, 1949)
Fisher Dock, Col. River (1629)
Fisher Island, Col. River (1507, 1508)
Fisher Island Channel, Col. River (1506, 1509)
Fisher Island Slough, Col. River (1510)
Fisher Quarry Channel, Wash. (1630, 1631)
Fisherman Bay, Wash. 187
Fisherman Channel, Calif. (926)
Fishermans Harbor, Alaska (3108, 3109)
Fitzhugh Sound, B.C. (2756-2763)
Five Fathom Shoal, Alaska. 225
Five Finger, Alaska (3089)
Five Mile Island, Alaska (3006)
Fivemile Lock, Col. River, Oreg. (1749)
Fivemile Rapids, Col. River, Wash. (1748)
Flat Island, Alaska (3401)
Flatrock Island, B.C. (147)
Flo Villa, Wash. (2398.12)
Flora Islet, B.C. (2651)
Fog Rocks, B.C. (2763)
Fog Signals XIII–XVII
Foggy Cape, Alaska (190)
Foggy Point, Alaska (2917.30)
Foracs III, Oahu, Hawaii. 286
Forbes Point, Wash. (2423)
Ford Island, Wash. (1961, 1962)
Foremost Rock, Alaska. 221
Fort Canby, Col. River (2012)
Fort Ross, Calif. 7
Fort Sherman, Idaho (2540)
Fort Stevens, Boat Harbor, Oreg. (2022, 2023)
Fort Stevens Jetty, Oreg. (2022, 2023)
Fort Stevens Wharf, Oreg. (1401)
Foulweather Bluff, Wash. (2261)
Found Island, Alaska (2996.70)
Found Island Rock, Alaska. 219
Foundation Island, Wash. (1917.11)
Four Fathom Bank, Calif. (639)
Four O'Clock Col. River (1782.11)
Fourmile Rock, Wash. (2283)
Fourmile, Umpqua River, Oreg. (1325)
Fox Canyon, Col. River (1985)
Fox Island, Alaska (3514)
Fox Island Rock, Wash. 169
Francis Island, B.C. (115)
Francis Point, B.C. (2665)
Franklin D. Roosevelt Lake, Col. River (1972-2003)
Fraser Reach and McKay Reach, B. C. (2788-2793)
Frederick Island, B.C. (150.90)
Frederick Point, B. C. (2829.11)
Frederick Sound, Alaska (3081–3086, 3129-3137)
Freeman Passage, B.C. (2746)
Freeman Point, B.C. (2780.50)
French Creek, B.C. (2647)
French Firgate Shoals, Pacific Islands (3770)
French Point Rocks, Col. River (1998)
Friday Harbor, Wash. (2494.11)
Fritz Island, Alaska (3294.50)

G

Gabriola Reefs, Wash. (2638)
Galiano, B.C. (2608)
Gallows Point, B.C. (2627)
Gambier Bay, Alaska (3139)
Ganges Harbor, B.C. (2600)
Gannet Rocks, Alaska (3529)
Garcin Rocks, B.C. (2725)
Gardiner Channel, Oreg. (1327 – 1332)
Gardiner Paper Mill Dock, Oreg. (1329.11)
Garfield Bay, Idaho (2567.11)
Garibaldi, Oreg. (1374, 1375)
Garibaldi Channel, Oreg. (1372.11–1375)
Gary Island, Columbia River (1654-1656)
Gastineau Channel, Alaska (3148-3172)
Gate (The) Khaz Bay, Alaska 245
Gaviota Pipeline, Calif. 43
Gayward Rock, B.C. (139)
Gedney Island Junction, Wash. 179
Geese Channel, Alaska (3471-3472)
General Motors Acoustic Range, Calif. (400.55, 400.56)
Genn Island, B. C. (2817)
George Island, Alaska (3230)
George Rock, Alaska (3175)
Georgia Rock, B.C. (2827)
Geographic Range VI
Gerome, Col. River (1989)
Getty Ventura, Calif. (507.55)
Gibby Rock, Alaska 228
Gibson Point, Wash. (2321)
Gifford Ferry, Col. River (1994)
Gig Harbor, Wash. (2317)
Gillatt Island, B.C. (2729)
Glacier Bay, Alaska. 236
Glaholm Island, B.C. (2774)
Glass Breakwater, Guam Island (3844.12)
Glorietta Bay, Calif. (336.20–336.31)
Goat Island, Alaska (3247)
Goat Island North, Pacific Island. 291
Goat Island, Skagit Bay, Wash. 181
Goat Pasture, Col. River (1981)
Godkin Point, B.C. (2717)
Gold Dust Rock, Col. River 119
Golden Gate, Calif. (48, 640, 641)
Golden Gate Bridge, Calif. (642-646)
Goloi Sandspit, Alaska (3505)
Golovnin Bay, Alaska (3581-3586)
Goodnoe, Col. River (1776.11–1778.11)
Goose Island, Alaska (3358)
Goose Spit, Strait of Georgia, B.C. (2659)
Gossip Shoals, B.C. (2611)
Government Cove, Oreg. 119
Government Island, Col. River (1624-1628, 1637, 1638, 1640, 1641)
Governor Rock, B.C. (2621)
Gowlland Point, Canada (2523)
Grampus Rock, Samoa Islands. 291
Grand Island, Stephens Passage, Alaska (3145)
Grand Point, Alaska (3084)
Grande Island Shoal, Philippine Islands (3893)
Granite Point, Idaho (2568)
Grant Island, Alaska (2967)
Grantley Harbor, Alaska. (3591) 271
Grappler Rock, B.C. (2618.51)
Grass Island, Alaska. 249
Grassy Island, Col. River (2052)
Grass Island Crossing North, Alaska. 269
Grass Island, Norton Sound, Alaska. 269
Grave Island, Alaska (3136)
Grave Point, Alaska (3144)
Graves Harbor, Alaska (3337.11, 3337.12)
Graveyard Point, Alaska (3553)
Gravina Point, Orca Bay, Alaska (3347)
Gray Cliff, Alaska (3403)
Grays Bay, Wash. (2047, 2048)
Grays Harbor, Wash. (100, 2141–2214)
Grays Harbor Approach, Wash. (101)
Grays Point, Col. River (2046)
Great Sitkin Island, Alaska (3526)
Green Island, B.C. (2844)
Green Point, Wash. (2500)
Greentop Island, Alaska (164)
Greentop Islet, B.C. (2823)
Grenville Channel, B.C. (2807–2812)
Grief Point, B.C. (2670)
Griffin Point, B.C. (2787)
Grindstone Reef, B.C. (2834)
Grovo, Oreg. 149
Guadalupe Slough, Calif. 58
Guam Island, Pacific Islands (3837–3854.33)
Guano Rock, Oreg. (1259)
Guard Islands, Alaska (2964)
Guemes Channel, Wash. (2447, 2448)
Guide Rocks, Alaska 237
Gulf of Esquibel, Alaska (3269-3275)
Gull Island, Alaska (3409.50, 3445) 213
Gull Island, Calif. (401)
Gull Island Rocks, Alaska (3448.11)
Gull Rock, B.C. (2820)
Gustavus, Alaska (3225, 3226)

452-223 O - 72 - 22

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

H

Haddington Island, B.C. .... (2699.50)
Haddington Reefs, B.C. .... (2699)
Hague Rock, Alaska............ (192)
Haig Rock, B.C. .... (2797)
Haines, Alaska................. (3192)
Hale Passage, Wash. ..... (2472.75-2473.51)
Haleiwa Harbor, Hawaii .... (3752.20)
Half Moon Bay, Calif. .... (621.11–623)
Halibut Cove, Alaska........... (3410)
Halverson Canyon, Col. River.... (1980)
Ham Island Reef, Alaska 241
Hamilton Field, Calif. 62, 63
Hamilton Island, Alaska 227
Hammersley Inlet, Wash. ....(2407-2409)
Hana Bay, Hawaii 275
Hanamanioa, Hawaii............. (3665)
Hanapepe, Hawaii............... (3764)
Hanapepe Bay, Hawaii.......... (3765-3767)
Hanin Rock, Alaska............. (3439)
Hankin Rock, B.C. .... (2745)
Hanks Island Rock, Alaska....... (3348)
Hanmer Island, B.C. .... (2815)
Hanmer Rocks, Hecate Strait, B.C. (2752.11)
Hanus Reef, Alaska............. (3213.11)
Harbor Rock, San Juan Channel, Wash. .. 188
Harbor Rock, Sitka Sound, Alaska... (3307)
Hard Rock Point, Wash. .... (1943)
Harding Rock, Calif. .... (653)
Hardwicke Island, B.C. .... (2691.50)
Hardy Bay, B.C. .... (2707)
Haro Strait, Wash. .... (2501–2528)
Harriet Point, Alaska.............(3414.50)
Harrington Point Channel, Col. River.................. (1427, 1428.11)
Harrington Point Range, Oreg. & Wash. ....(1424–1426)
Harrington Point to Crims Island, Col. River .... (1429-1502)
Harrington Point to Crims Island, Main Channel, Col. River. ....(1429–1480, 1485–1494)
Harris Island, Alaska............ (2929)
Harris Island, B.C. .... (2710)
Harris Rock, B.C. .... (2750)
Harvester Island, Alaska......... (3478)
Harvey Creek, Col. River........ (1991)
Harvey Creek, Umpqua River, Oreg. .. (1337)
Hassalo Rock, Col. River........ (1633)
Hat Island, Alaska............. (3000)
Hat Rock, Col. River........... (1912)
Hattie Island, B.C. .... (2909)
Haunted House, Col. River ...... (1968.19)
Hawaii Island, Hawaii .... (3620–3653)
Hawea Point, Hawaii........... (3673)
Hawk Inlet, Alaska .... (3212, 3213)
Hawk Point, Alaska 235
Haynes Inlet, Oreg. 89, 90
Hazel Point, Wash. .... (2365)
Hecate Strait, B. C. ....(146. 2724–2752.11)
Hecate Strait, East Side, B.C. (2737–2752.11)
Hecate Strait, West Side, B. C. (2724–2736)
Heceta Head, Oreg. .... (87)
Heeia-Kea Approach, Hawaii 278
Hein Bank, Wash. .... (2248)
Helen Point, B.C. .... (2607)
Hellgate Island, Col. River...... (1977)
Hells Gate, Col. River......... (1755, 1756, 1765, 1766)
Hells Gate Rapids, Col. River 122, 123
Helm Bay, Alaska............... (2968)
Helm Point, Alaska............. (157, 3113)
Helm Rock, Sumner Strait, Alaska... (3092)
Helmcken Island, B. C. .... (2692–2692.40)
Henoko Saki, Okinawa. .... (3857)
Henrici, Col. River............ (1580, 1581)
Henrici Channel, Col. River...... (1578)
Henrici Crossing, Col. River....... (1583)
Henrici Landing, Col. River...... (1582)
Heppner, Col. River ....(1793.11)
Herbert Reefs, B.C. .... (2814)
Hermanos Islands, Alaska .... (3269)
Hermosa Beach Fish Haven, Calif. 40
Hermosa Beach Pier, Calif. .... (483)
Hesquiat Harbor, B.C. .... (131)
Hetta Inlet, Alaska .... (3245.50)
Hewlett Dike, Col. River........ (1598)
Hickey Point, B.C. .... (2694)
Hid Reef, Alaska............... (2933)
High Island, Alaska............ (2977)
Highwater Island Shoal, Neva Strait... (3319)
Highwater Rock, San Alberto Bay, Alaska 240
Hill Island, Alaska... ....(162, 3337)
Hilo Bay, Hawaii.............. (3625-3632)
Hilo Bay Aero, Hawaii .... (3633)
Hinsdale, Oreg. ....(1334.11–1335)
Hippa Island, B.C. .... (150.60)
Hiram M. Chittenden Locks to Lake Washington, Wash. (2396-2398.13)
Hive Island, Alaska............ (3387)
Hodgson Reefs, B.C. .... (2838)
Hog Island, Calif. 81
Hog Rocks, Alaska.............. (2921)
Hole in the Wall, Wash. .... (2437)
Holkham Bay, Alaska 230
Holland Rock, B.C. .... (2822)
Holliday Island, B.C. .... (2845)
Hollis Anchorage, Alaska 217
Holmes Harbor, Wash. 180
Homer Aero, Alaska .... (3411)
Homer Breakwater, Alaska .... (3409)
Homer Spit, Alaska .... (3408)
Homly, Col. River 128, 129
Honker, Col. River .... (1968.39)
Honolulu Aero, Hawaii.......... (3740)
Honolulu Fort Street, Hawaii..... (3723)
Honolulu Harbor, Hawaii ....(3640.11–3640.25, 3713.11–3723)
Hood Bay, Alaska ....(3203)
Hood Canal, Wash. ....(2350-2370)
Hood Point, Col. River......... . (1717)
Hood River, Oreg. & Wash. .... (1715, 1716)
Hood River Boat Basin, Oreg. & Wash. (1720)
Hood River East & West, Col. River .(1720.11, 1720.13)
Hookton Channel, Calif. ... (1224.12–1233)
Hooper Bay, Alaska 268
Hoot Island Rock, Alaska........ (3280)
Hope Island, Skagit Bay, Wash. .. (2444)
Hope Point, Idaho .... (2564)
Horseshoe Falls, Col. River..... (1753)
Hotchkiss Dike, Col. River...... (1496)
Hover Shoal, Wash. 128
Hover, Col. River.............. (1917)
Howard Terminal, Calif. .... (718)
Hudson Rocks, B.C. .... (2642)
Hugo, Lake Entiat, Wash. 137
Humboldt Bay, Calif. . .(65.11, 1205.70–1233)
Humboldt Bay Entrance, Calif. . (65, 1205.70)
Hump Island, Alaska 216
Humpback Rock, Alaska......... (186, 3464)
Hunter Dike, Col. River .... (1549–1550.11)
Hunter Point, Puget Sound, Wash. .. (2406)
Hunters, Col. River .... (1968.79)
Hunters Point, Calif. .... (747-749)
Hunting Islands, Col. River...... (1457)
Huntington Beach, Calif. .... (10)
Huntington Beach Fish Haven, Calif. 2
Hutchinson Dike, Col. River..... (1595)
Hutchinson Reef, Alaska........ (3438)
Hydaburg, Alaska 238
Hylebos Waterway, Wash. ....(2313-2315)
Hyndman Reefs, B.C. .... (2775)
Hyperion, Santa Monica Bay, Calif. 40

I

Ice Harbor Dam, Wash. .... (1941, 1942)
Ice Harbor Dam to Lower Monumental Dam, Wash. .... (1941–1968.21)
Iceberg Point, Wash. .... (2490)
Icy Bay, Alaska................ (172)
Icy Cape Racon, Alaska .... (234)
Icy Passage, Alaska........... (3224)
Icy Strait, Alaska .... (3213.11–3228)
Idaho Rock, Alaska............ (2945)
Ideal Cement, Wash. 161
Idol Point, B.C. .... (2776)
Ie Shima, Pacific Islands.......(3886, 3887)
Igkognak Rock, Alaska .... (3435)
Igushik River, Alaska ....(3564.11)
I J Waterway, Bellingham Bay, Wash. ... 185
Ilanin Bay, Philippine Islands ... (3893.10, 3893.20, 3899)
Iliasik Islands, Alaska......... (3506)
Iliasik Passage, Alaska 264
Iliuliuk Bay, Alaska............ (3522)
Iliuliuk Harbor, Alaska 265
Iliuliuk Reef, Alaska........... (3524)
Ilkognak Rock, Alaska......... (3435)
Ilwaco Dock, Col. River........ (2021)
Ilwaco West Breakwater, Col. River.. (2016)
Imperial Passage, Alaska....... (3337)
Independence Bend, Col. River 149
Indian Charley Creek, Oreg. ..... (1337.13)
Indian Point Float, Alaska .... (3179.20)
Indian Point Pier, Alaska .... (3179.30)
Indian Rock, Felice Strait, Alaska... (2926)
Indian Rock, Lynn Canal, Alaska ..(3193.50)
Inner Point, Chatham Strait, Alaska... (3123)
Inner Point Sophia, Alaska....... (3220)
Inner Point, Stephens Passage. Alaska .. 231
Intalco, B. C. ....(2530.11)
Inteference with aids XI
International Boundary, Georgia Strait (2531.21, Wash. 2531.31, 2534–2539)
International numbers................ VI
International Paper Dock Lights, Oregon & Wash. .... (1527.11)
Invincible Rock, Calif. .... (832)
Ione Reef, Col. River 116
Iphigenia Point, B.C. .... (151)
Irrigon, Col. River ..... (1824.11–1835.12)
Isthmus Cove, Calif. .... (398)
Isthmus Slough, Coos Bay, Oreg. ... (1302)

For numbers in parentheses, see Column 1 list; other numbers refer to page numbers. here unlighted buoys and daybeacons are ven the same geographic reference in the st as the aids in parentheses, the page mber is omitted.)

sami Ledge, Wash. .... (2327)
vory Island, B.C. .... (2777)

J

affrey Rock, B.C. .... (2794)
ames Island, Wash. . .(104, 105, 2215, 2216)
James Point, B.C. .... (2704)
aponski Island, Alaska .... (3301.50)
arvis, Coos Bay, Oreg. ..... (1277, 1278, 1280-1285)
arvis Island, Line Islands 291
Jeanette Island, B.C. .... (2709)
efferson Head, Wash. 165
Jennings Lodge, Oreg. .... (2088)
Jim Crow Dike, Oregon .....(1444.11, 1444.13)
Jim Crow Point, Oreg. .... (1444)
Joan Point, B.C. .... (2626)
John, Col. River.............. (1968.65)
John Day Dam, Col. River (1770.11, 1771.11)
John Day Dam to McNary Dam Main Channel, Oreg. and Wash. ....(1769–1840.12)
John Day Dam Lower, Col. River (1769, 1770)
John Day River, Col. River ... (1772.11) 143
Johns River, Grays Harbor, Wash. .. (2205)
Johnson Channel and Return Channel, B.C. .... (2770–2772.50)
Johnson Point, Puget Sound, Wash. .. (2326)
Johnston Atoll, Pacific Islands .. (3790-3795)
Johnston Hill Creek, Alaska ...... (3543.11)
Johnstone Point, Alaska......... (3345)
Johnstone Strait, B.C. .... (2687-2697)
Jones Island Rock, Wash. 188
Jorkins Point, B.C. .... (2780)
Juanita Bay, Lake Washington 178
Junction, Col. River............ (1923)
Juneau Airport, Alaska.......... (3176)
Juneau Boat Basin, Alaska .... (3158–3159)
Juneau Isle, Alaska............. (3150)
Juniper, Col. River............. (1914)

K

Ka Lae, Hawaii .... (3635)
Kaamola Point, Hawaii .... (3681.50)
Kabuch Point, Alaska........... (3517)
Kachemak Bay, Akaska ..... (3407.70–3411)
Kaena Point, Hawaii............ (3749)
Kahala Point, Hawaii........... (3754)
Kahoolawe Island, Hawaii....... (3674)
Kahoolawe Southwest Point, Hawaii .. (3674)
Kahului Aero, Hawaii........... (3662)
Kahului Harbor, Hawaii ....(3656-3661)
Kailua, Hawaii................. (3639)
Kains Island, B.C. .... (144)
Kaisan Sho, Pacific Islands...... (3885)
Kaiser Boat Channel, Hawaii 280
Kake, Alaska .... (3095, 3097)
Kake Cannery Flats, Alaska 226
Kake Flats, Alaska 226
Kakul Narrows, Alaska.......... (3322)
Kakul Rock, Alaska 246
Kala Point, Wash. .... (2347)
Kalaklan Point, Philippine Islands... (3898)
Kalama, Col. River.............(1543-1547)
Kalama Dike, Col. River..(1547.11, 1547.13)
Kalama River, Col. River........ (1542)
Kalaupapa, Hawaii .... (3679, 3680)
Kalgin Island, Alaska... (3414.30, 3414.70, 3415)
Kalihi Channel, Hawaii ....(3724-3739)
Kamalo Harbor, Hawaii.......... (3682)
Kamola Point, Hawaii .... (3681.50)
Kane Islands, Alaska ....(3320.30)
Kaneohe Bay, Hawaii .... (3690, 3691)
Kaneohe Bay Utility Channel Hawaii .... (3696–3701.14)
Kaneohe Passage, Hawaii .... (3692-3695)
Kapalama Basin, Hawaii 282
Karheen Passage, Alaska........ (3275)
Karheen Reef, Alaska 241
Kasaan, Alaska................. (2982)
Kasaan Bay, Alaska .... (2978–2982)
Kashevarof Passage, Alaska ..... (2993.50)
Kasiana Island, Alaska 245
Kasilof Entrance, Alaska .... (3416.70)
Kasilof River, Alaska ...... (3416–3416.01)
Kaslokan Point, Alaska......... (3510)
Katchin Saki, Okinawa.......... (3874)
Katzehin River, Alaska......... (3190)
Kauai Island, Hawaii .... (3753–3768)
Kauhola Point, Hawaii.......... (3620)
Kauiki Head, Hawaii............ (3664)
Kaumalapau, Hawaii............ (3677)
Kaumalapau Harbor, Hawaii...... (3678)
Kaunakakai, Hawaii............. (3683)
Kaunakakai Harbor, Hawaii...... (3684-3687)
Kawaihae, Hawaii.............. (3642)
Kawaihae Harbor, Hawaii........(3643-3651)
Kayler-Dahl Pier, Wrangell Narrows, Alaska................... (3074, 3075)
Keahole Aero, Hawaii ....(3639.10)
Keahole Point, Hawaii.......... (3641)
Keauhou Bay, Hawaii ...... (3638–3638.11)
Keehi Lagoon Barge Channel, Hawaii. (3738, 3739)
Keizer Bar, Oreg. 148
Keku Strait, Alaska.............(3093-3097)
Keller Ferry, Wash. 138
Kellett Bluff, Wash. .... (2505)
Kellett Ledge, Wash. 186
Kelley Point, Col. River ....(1606, 2065)
Kelp Reefs, B.C. .... (2504)
Kelp Rocks, Alaska 213
Kelpie Point, B.C. .... (2761)
Kenai Pipe Line Co., Alaska... (3419, 3420)
Kenai Entrance, Alaska .... (3418.51)
Kenia River, Alaska .... (3418.80, 3418.90)
Kennedy Entrance, Alaska (181.50, 3394.50)
Kennedy Island, B.C. .... (2813)
Kennewick, Col. River 129
Kewalo Basin, Hawaii...........(3710-3713)
Key Reef, Clarence Strait, Alaska... (2992)
Khantaak Island, Alaska......... (3341)
Khaz Bay, Alaska.............. (3335)
Khaz Breaker, Alaska........... (3335)
Kilauea Point, Hawaii.......... (3753)
Kilisut Harbor, Wash. 172
Killisnoo Harbor, Alaska........ (3205)
Killisnoo Island, Alaska 234
King Harbor Yacht Course, Santa Monica Bay, Calif. 39
King Harbor, Calif. .... (482.31, 482.32)
Kingcombe Point, B.C. .... (2790)
Kingsmill Point, Alaska......... (3127)
Kingston Small Boat Harbor, Wash. ... (2274)
Kingui Island, B.C. .... (2728)
Kinmu Wan, Okinawa ....(3861–3867.11)
Kiwash Island, B.C. .... (2762)
Klag Bay, Alaska 248
Klag Island, Alaska 248
Klas Rocks, Wash. 171
Klawock Inlet, Alaska...........(3261-3268)
Klawock Island, Alaska .... (3265, 3266)
Klawock Ledge, Alaska 240
Klawock Reef, Alaska........... (3267)
Klewnuggit, B.C. .... (2810)
Klickitat River, Oreg. .... (1737)
Klindt Point, Col. River......... (1743)
Klokachef Island, Alaska........(161, 3321)
Knapp Point, Col. River......... (1587)
Knight Island Passage, Alaska...(3376-3380)
Knik Arm, Alaska............... (3427)
Knudson Cove, Alaska 216
Kodiak Aero, Alaska .... (3454)
Kodiak City Dock, Alaska .... (3447.20, (3447.30)
Kodiak Entrance, Alaska .... (3441.05)
Kodiak Electric Association, Alaska ....(3442.50)
Kodiak Ferry, Alaska... (3442.70, 3442.90)
Kodiak Harbor, Alaska .... (3436–3448.11)
Kodiak Island, Alaska...........(3432-3489)
Kodiak North Entrance Alaska...(3437, 3440)
Koka Island Passage, Alaska 243
Kokenhenic Bar, Alaska 249
Koko Head, Hawaii 280
Kokole, Hawaii................. (3768)
Koniuji Island, Alaska 258
Kootznahoo Inlet, Alaska ....(3207.11)
Kotlik Crossing, Alaska......... (3571)
Kotzebue, Alaska 271
Kotzebue Sound, Alaska.........(3592-3594)
Koyuk River, Alaska 270
Krenitzin Islands, Alaska...... (3518, 3519)
Kuapa Entrance, Hawaii 280
Kuhio Bay, Hawaii .... (3627, 3628)
Kuhushan Point, B.C. .... (2676)
Kukii Point, Hawaii............ (3757)
Kukuihaele, Hawaii............ (3621)
Kulichkof Rock, Alaska......... (3286)
Kuluk Shoal, Alaska............ (3527)
Kupreanof Strait, Alaska.........(3482-3485)
Kusaie Island, Pacific Islands 294
Kuskokwim Bay, Alaska .... (3565)
Kuskokwim River, Alaska 268
Kvichak Bay, Alaska............(3535-3554)
Kwajalein Atoll, Pacific Islands. (3811.53– .... 3811.56)
Kwajalein Bibej Channel, Pacific Islands. 293
Kwajalein Ebeye, Pacific Islands .. (3816.11)
Kwajalein Gea Pass, Pacific Islands.. (3813-3815)
Kwajalein Harbor Channel, Pacific Islands.................... (3819)
Kwajalein Lagoon, Pacific Islands (3816–3818)
Kwajalein-Roi Channel, Pacific Islands. (3811.59–3811.84)
Kwajalein South Pass, Pacific Islands. (3812)
Kwakume Island, B.C. .... (2760)
Kwiniuk River, Alaska 270
Kyuquot Channel, B.C. .... (137)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

L

Laau Point, Hawaii ... (3687)
La Conner, Wash. ... (2432-2433, 2436, 2439, 2440)
La Du Rock, Col. River ... (1514)
Lady Island, Col. River ... (1642, 1643, 1645-1647)
Lady Island Shoal, Oreg. & Wash. ... 116
Lahaina, Hawaii ... (3669)
Lahaina Entrance, Hawaii ... (3669. 15)
Lahaina Boat Basin, Hawaii ... (3670, 3671)
Lake Celio, Oreg. and Wash. ... (1747–1756)
Lake Coeur D' Alene, Idaho ... (2540–2550)
Lake Entiat, Wash. ... 137
Lake Pend Oreille, Idaho ... (2561–2571)
Lake Sacajawea, Snake River, Wash. (1957–1968. 21)
Lake Tahoe, Calif. ... (1240. 51, 1241)
Lake Umatilla Oreg. and Wash. ... (1769–1781. 11)
Lake Union, Wash. ... 177
Lake Wallula, Oreg. and Wash. (1910–1927. 11)
Lake Washington, Wash. ... (2399-2405)
Lake Washington Ship Canal, Wash. ... (2389-2398. 13)
Lama Passage, B. C. ... (2764-2769)
Lamb Rock, Wash. ... 138
Lanai Island, Hawaii ... (3675. 11–3678)
Langara Point, B. C. ... (152)
Lanipuao Rock, Hawaii ... (3763)
Lansing Rock, San Luis Obispo, Calif. ... 44
La Perouse Bay, Hawaii ... (3665. 01)
Laredo Sound, B. C. ... (2794–2802)
Larsen Bay Entrance, Alaska ... 261
Larzatita Island, Alaska ... (3270)
Last Timber Point, Alaska ... (3485)
Latax Rocks, Alaska ... (183. 50, 3488. 50)
Latitudes and longitudes ... VI
Laupahoehoe Point, Hawaii ... (3622)
Law Island, B. C. ... (2772. 50)
Lawn Point, B. C. ... (2731-2734)
Lawn Tree Point, B. C. ... (2735)
Lawson Creek Bar, Alaska ... (3153)
Lawson Reef, Wash. ... (2476)
Lawson Rock, Wash. ... 186
Lawsons Landing, Calif. ... 81
Lawyer Islands, B. C. ... (2818)
Lazy Bay, Alaska ... (3476)
Leeds Island, Oreg. ... (1328)
Legge Point, B. C. ... (2781)
Lehua Island, Pacific Island ... (3769)
Lehua Rock, Pacific Island ... (3769)
Lele Harbor, Pacific Islands. ... 294
Lemesurier Island, Alaska ... (3227)
Lemon Island Shoal, Col River ... 114
Lemon Point Rock, Alaska ... (3110)
Lennard Island, B. C. ... (118)
Leo Reef, Wash. ... (2483)
Letnikof Cove, Alaska ... (3189)
Level Island, Alaska ... (3010)
Levy Point, B. C. ... (2804)
Lewis and Clark River, Col. River. ... 142
Lewis Point, B. C. ... (2698)
Lewis Reef, Alaska ... (2959)
Lewis River, Col. River ... 145
Libby Island, Alaska ... (167)
Libby Point, Wash. ... (2408)
Lido Isle, Calif. ... (374, 375. 50)
Lido Peninsula, Calif. ... (376)
Lieser Point Channel, Col. River . (1620, 1622)
Liesnoi Shoal, Alaska ... (3325)
Light sectors ... VI
Lighthouse Point, Alaska ... (3489)
Lights on fixed structures ... XVI
Lightships ... XIII, XIV
Lihue, Hawaii ... (3755)
Lime Kiln, Wash. ... (2502)
Lime Point, Calif. ... (646)
Lincoln Rock, Alaska ... (2990)
Lincoln Rock, Oreg. ... 147
Line Islands, Pacific Islands ... 291
Lisianski Inlet, Alaska ... (3236-3240)
Lisianski Strait, Alaska ... (163)
Little Branch Bay, Alaska ... (3283)
Little Goose Dam to Lower Granite Dam, Wash. ... (1969. 11–1969. 11)
Little Goose Reservoir, Wash. (1969. 11–1969. 93)
Little Island, Lynn Canal, Alaska ... (3185)
Little River, Calif. ... 8
Little White Salmon, Col. River .. (1711, 1712)
Lituya Bay, Alaska .. (3337. 11, 3337. 12)
Lively Islands, Alaska ... (3252)
Lively Rock, Alaska ... (2940)
Lizard Point, B. C. ... (2905)
Lombard Point, B. C. ... (2795)
Lone Island, Alaska ... (3368)
Lone Rock, Alaska ... 234
Lonetree Point, Alaska ... (3384)
Long Beach, Calif. ... (11, 425)
Long Beach Berth, Calif. ... (444)
Long Beach Breakwater, Calif. ... (416)
Long Beach Channel, Calif. ... (423-444)
Long Beach Harbor, Calif. ... (416-421)
Long Beach Midchannel, Calif. ... (437, 441)
Long Beach Pier E, Calif. ... (443)
Long Island, Wash. ... (2132)
Long Point, Calif. ... (396)
Longview Bridge, Col. River ... (1524)
Longview Bridge Channel, Col. River .. (1525)
Longview Channel, Col. River ... (1513. 11)
Longview Dock Oreg. & Wash. ... (1513. 05)
Longview Log Pond, Col. River ... (1520)
Longview Range, Oreg. & Wasg. (1518, 1519)
Lookout Island, B. C. ... (140)
Lopez Pass, Wash. ... (2479)
Lopez Sound, Wash. ... 184
Loran ... XVI, XIX
Loran - A Stations System ... XXIV–XXVI
Loran-C Stations System ... XXVII-XXVIII
Lord Island, Col. River ... (1516)
Lord Rock, Alaska ... (2900)
Los Angeles, Calif. ... (13, 448)
Los Angeles Channel, Calif. ... (447-457)
Los Angeles Dumping Area, Calif. ... 38
Los Angeles East Basin Channel, Calif. ... (461, 463)
Los Angeles Main Channel, Calif. . (449–451)
Los Angeles River, Calif. ... 35
Low Island, B. C. ... (2727)
Low Island Reef, Calif. ... 258
Low Point, Sumner Strait, Alaska ... 221
Lower Cook Inlet, Alaska ... (3413. 50)
Lower Guide Wall, Puget Sound, Wash. (2394)
Lower Monumental Dam, Col. River (1968. 27, 1968. 30)
Lower Monumental Dam to Little Goose Dam, Col. River ... (1968. 27–1968. 95)
Lower Wells Island, Oreg. ... 149
Lowrie Island, Alaska ... (153. 20)
Luard Shoal, B. C. ... (2738)
Lucy Island, B. C. ... (2835)
Luminous Range ... VI
Luminous Visibility Diagram ... X
Lummi Island, Wash. ... (2472. 80)
Lummi Point, Wash. ... (2473)
Lummi Rocks, Wash. ... (2489)
Lund, B. C. ... (2677)
Luzon Island, Philippine Island ... (3891-3899)
Lydia Shoal, Wash. ... (2486. 11)
Lyle Point, Wash. ... (2325. 15)
Lynn Canal, Alaska ... (3181-3201)

M

Maalaea Basin, Hawaii ... (3667, 3668) 276
Maalaea East Basin, Hawaii ... 276
Maalaea West Basin, Hawaii ... 276
Macey Sands, Oreg. ... (1334)
Machinato Channel, Pacific Islands ... 304
Macmany Point, Luzon Islands, Pacific Islands ... 304
Macnamara Point, Alaska ... 218
Mahukona, Hawaii ... (3652)
Main Body, Wash. ... (1984–1993)
Major Brown Rock, B. C. ... (2756)
Major Islet, B. C. ... (2676. 50)
Majuro Atoll, Marshall Islands ... (3811.05)
Majuro Channel, Pacific Islands .. (3811. 05)
Makah Dock, Wash. ... (2224, 2225)
Makahuena Point, Hawaii ... (3762)
Makai Channel, Oahu Island, Hawaii ... (3701. 53–3702)
Makai, Oahu Island, Hawaii ... (3701. 10–3701. 14)
Makapuu Point, Hawaii ... (3702)
Makaweli Reef, Hawaii ... 287
Makhnati Rock, Alaska ... (3299)
Malakal Harbor, Pacific Islands ... 301
Malakal Passage, Pacific Islands .. (3856)
Malakal, West Caroline Islands ... (3856)
Malibu Fish Haven, Calif. ... 41
Malibu Race, Calif. ... 41
Malina Point, Alaska ... (3482)
Mallard, Col. River ... (1968. 43)
Mamala Bay Nitrate Anchorage, Hawaii .. 283
Mamaon Channel, Guam ... 297
Mandalay Beach, Calif. ... (504)
Manele Bay, Lanai Island, Hawaii .. (3676. 11, 3676. 15)
Maniagassa Island, Pacific Island. . (3854. 41)
Marble Island, B. C. ... (150. 30)
March Point, Wash. ... (2456)
Mare Island Strait, Calif. ... (864 - 869. 14)
Marina Del Rey, Calif. ... (485. 10–485. 83)
Marmion Island, Alaska ... (3148)
Marmot Bay, Alaska ... (3433, 3434. 70)
Marmot Strait, Alaska ... (3432)
Marrowstone Point, Wash. ... (2256)
Marsh Island, Col. River ... (2056)
Marshall Islands, Pacific Islands ... (3811. 05–3819)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Marshfield, Oreg. ..(1300, 1301, 1303, 1304)
Martin Island, Col. River .... (1552, 1552.11, 1556-1559)
Martin Island Bluff, Col. River ... (1553.11)
Martin Island Channel, Oreg. & Wash. . (1564)
Martin Island Dike, Col. River 110
Martin Islands, Alaska.......... (3342)
Mary Anne Point, B.C. .... (2609)
Mary Island, Alaska............. (2920)
Maryhill, Col. River............ (1767)
Maryhill-Biggs, Col. River 123
Masterman Islands, B.C. .... (2706)
Mastic Rock, B. C. 212

Matthews, Wash. .... (1968.17)
Mathews Point, Ore. & Wash. .....(1607.11, (1607.13)

Mats Mats Bay, Wash. (2349.11–2349.23, ... 3701.53–3702)
Matthews, Wash. .... (1968.17)
Matthews Range, Wash.. (1968.13, 1968.15)
Maud Island, Discovery Passage, B.C. (2684)
Maude Island, Strait of Georgia, B.C. .(2645)
Maui Island, Hawaii.............(3654-3673)
Maunalua Bay, Hawaii 280
Mayanga Island, Philippine Islands 304
Mayfield Slough, Calif. .... (785)
McArthur Pass, Alaska.......... (3394)
McArthur Reef, Alaska.......... (3008)
McClellan Rock, Alaska......... (3332)
McCredie, Col. River ....(1795.11)
McDonald Point, Idaho.............. (2546)
McDonald Rock, Alaska 229
McEwan Rock, B. C................ (2711)
McGowans, Col. River .... (1683)
McGregor Point, Hawaii ..... (3666.11)
McGuire, Col. River .... (1968.89–1968.95)

McGuire Island Middle Dike, Col. River (1639)
McGuire Rock, Col. River 116
McIlenry Ledge, Alaska............. (2986)
McInnes Island, B. C................ (2737)
McKay Reach, B. C........... ..(2788–2793)
McLean Point, Alaska.............. (2974)
McMullen Point, B. C............... (2685)
McNary Boat Ramp, Col. River 127
McNary, Col. River .....(1840.11, 1840.12)
McNary Dam, Col. River ...... (1910, 1911)
McNary Dam to Richland, Main Channel, Col. River .... (1910–1927.11)
McNary Dam to Richland, West Channel, Col. River ....(1918–1922)
Meadow Point, Wash. .... (2277)
Meares Island, Alaska.............. (3254)
Meares Passage, Alaska...... (3254, 3255)
Meck Island, Pacific Islands .... (3811.79–3811.84)
Mellen Rock, Alaska .... (3244)
Memaloose, Col. River........ (1731, 1732)
Memaloose Channel, Col. River...... (1736)
Memaloose Island, Col. River .... (1734, 1735, 1750)
Mendenhall Bar Channel, Alaska (3160–3172)
Mendenhall Peninsula, Alaska....... (3177)
Mendocino Bay, Calif. 8
Merizo Bay, Guam Island 297
Merry Island, B. C.................. (2644)
Messner, Col. River .... (1808.11–1818.11)
Meterological Optical Range VIII
Metlakatla, Alaska................. (2938)
Metlakatla Pier. Alaska ..(2938.30, 2938.50)
Meydenbauer Bay Yacht, Wash. ....(2400.80)
Meyers Chuck, Alaska.............. (2985)
Midchannel Rock, Alaska 219
Middle Bank, Wash. .... (2248.11)
Middle Bluff, Alaska .... (212, 3541)
Middle Channel, Sitka Sound, Alaska.................. (3294–3298)
Middle Ground, Prince William Sound, Alaska .... (3346)
Middle Ground, Yakutat Bay, Alaska 249
Middle Point, Fisherman Channel, Calif. .... (926)
Middle Point, Peril Strait, Alaska.... (3326)
Middle Point, Stephens Passage, Alaska (3174)
Middle Point, Strait of Juan de Fuca, Wash. 163
Middle Rock, Prince William Sound, Alaska......................... (3362)
Middle Shoal, Sitka Sound, Alaska... (3311)
Middle Wells, Oreg. 149
Middleton Island, Alaska.............. (175)
Midway Basin Channel, Pacific Islands .. 289
Midway Channel, Pacific Islands (3772–3787)
Midway Island North Breakwater, Pacific Islands.................. (3778)
Midway Islands, Pacific Islands (3771–3789)
Midway Island South Breakwater, Pacific Islands.................. (3779)
Midway Islands, Stephens Passage, Alaska......................... (3143)
Midway Rock, Alaska............... (3014)
Milbanke Sound, B. C.:........ (2778–2781)
Mile Rocks, Calif. .... (48, 640)
Mile 1, Snake River, Wash...... (1928, 1929)
Mile 4, Snake River, Wash...... (1930, 1931)
Mile 5, Snake River, Wash...... (1932, 1933)
Mile 6, Snake River, Wash...... (1934, 1935)
Mile 7, Col. River, Wash............ (1751)
Mile 105, Williamette River, Oreg. 149
Mile 111, Williamette River, Oreg. 149
Miller Island, Col. River....... (1757–1762)
Miller Sands, Col. River .... (1429, 1430)
Miller Sands Channel, Col. River .. (1431, 1432, 1433, 1434, 1436.13)
Miller Sands Dike, Col. River.....(1432.11)
Milolii Beach, Kauai Island 288
Milolii Point, Hawaii .... (3636.11)
Milwaukee Waterway, Wash.......... (2310)
Milwaukie, Oreg .... (2083)
Minnesota Reef, Wash. 188
Minnie Reef, Alaska 248
Minor Island, Wash.................. (2250)
Mission Bay, Calif. .. (3, 4, 356.05–358.61)
Mission Point, Col. River........... (1995)
Mission Rock, Calif.......... (697, 698)
Mitchell Point, Alaska ....(3008.50)
Mitchell Point, Col. River........... (1713)
Mite Head, Alaska .... (3237)
Mitrofania Island, Alaska .... (191)
Moffetts Creek, Oreg. .... (1686)
Moira Rock, Alaska .... (2975)
Molate Point, Calif............. (828, 829)
Mole C, Calif. .... (482.16)
Molokai, Hawaii ....(3681, 3686)
Molokai Island, Hawaii .... (3679–3687)
Molokini Island, Hawaii............ (3666)
Money Point, B. C.................. (2793)
Monks Islet, B. C.................... (120)
Monterey Bay, Calif. .... (609–621)
Monterey Bay Danger Area, Calif. ....(611.11, 611.12)
Monterey Harbor, Calif.......... (610, 611)
Montezuma Slough, Calif. 66
Moonax, Col. River...............(1790.11)
Moonshine Bay, Col. River 138
Moonshine Canyon, Col. River....... (1979)
Moore, Col. River.................. (1987)
Moore Island, B.C. ....(2745.50)
Moose Point, Alaska .... (3424.30)
Morehouse Rock, B. C.............. (2800)
Morgan, Col. River .... (1599, 1600)
Morgan Dike, Col. River .... (1596.11, 1601-1603)

Morgan Point, Alaska............... (3508)
Morne Island, Alaska ....(3293.50)
Morris Reef, Alaska................ (3206)
Morro Bay, Calif. ...... (31.11, 601.11, 602)
Morro Bay Channel, Calif .... (603–606)
Morro Beach Submarine Terminal, Calif. .. 44
Morro Creek, Calif. 44
Morskoi Rock, Alaska 246
Moser, Alitak Bay, Alaska 261
Mosier, Col. River .... (1727, 1733)
Moss Cape, Alaska 261
Moss Landing, Calif. .... (612–617)
Moss Landing Discharge, Calif. .. (612.11)
Mount Coffin, Col. River....... (1517–1520)
Mountain Point, Revillagigedo Channel, Alaska.................. (2924)
Mountain Point, Wrangell Narrows, Alaska......................... (3061)
Mouse Rock, Estero Bay, Calif. 45
Mud Bay, Wash. 186
Mukilteo, Wash .... (2411)
Mule Rock, Alaska.................. (2931)
Multnomah Channel, Col. River .... (2058–2064, 2075)
Multnomah Falls, Col. River... (1674–1678)
Mummy Island, Alaska.............. (3344)
Municipal Yacht Harbor, Calif. .... (315.10–315.16)

N

Naga Shima, Okinawa............... (3859)
Nagcaban Point, Subic Bay, Pacific Islands 304
Naha Harbor, Okinawa ......(3879–3883) 303
Nahcotta Channel, Wash. ..... (2131–2134)
Nahcotta Mooring Basin, Wash. (2133 2134)
Nahwitti Bar, B. C.................. (2719)
Nahwitti Point, B. C................ (2718)
Nakalele Point, Hawaii............. (3654)
Nakat Bay, Alaska .... (2914)
Naked Island, Alaska............... (3200)
Naknek, Alaska.................... (3548)
Naknek Entrance, Alaska .... (3549)
Names of aids VI
Napa River, Calif.............. (870–879)
Napier Point, B. C.................. (2767)
Napoopoo, Hawaii.................. (3637)
Narrow Point, Alaska............... (2987)
Narrows (The) Alaska .... (3001.30)
National City Terminal, Calif. .... (342)
National Marine Fisheries, Wash. ..(2383.11)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

National Paper Products, Admiralty Inlet, Wash. (2345)
Naval Base, San Pedro Bay, Calif. (440, 470, 471)
Navy Air Base Jetty, San Pedro Bay, Calif. (471.11)
Navy Anchorage, San Clemente Island, Calif. (381)
Navy Landing, Calif. (418, 419)
Navy Oceanographic, Calif. (5)
Nawiliwili Harbor, Hawaii (3756–3761)
Neah Bay, Wash. (2223)
Nehalem River, Oreg. 12, 96
Neill Ledge, B. C. (2700)
Nelson Rock, B. C. (2667)
Nemah River Channel, Wash. 153
Nesbitt Reef, Alaska (2993)
Netarts Bay, Oreg. 12, 95
Neva Point Reef, Alaska (3312)
Neva Strait, Alaska (3312–3320. 30)
New Dungeness, Wash (2247)
New Era Bar, Oreg. 147
New Year Islands, Alaska (3377)
New York Slough, Calif. (936–943)
Newport, Calif. (9)
Newport Airport, Oreg. (87. 11)
Newport Bay, Calif. (8, 8. 11, 364–376)
Niblack Point, Alaska 217
Nichols Bay, Alaska 237
Nichols Hill, Alaska 268
Nichols Passage, Alaska (2933–2942)
Niggerhead Point, Idaho (2543)
Nimpkish Bank, B. C. (2698. 50)
Ninefoot Shoal, Khaz Bay, Alaska. 248
Ninemile, Col. River (1986)
Ninilchik, Alaska (3413)
Nisqually Flats, Puget Sound, Wash. (2325. 13)
Noble Islets, B. C. (2712)
Noisy Islands, Alaska (3479)
Noll Wharf, Lake Washington, Wash. (2400)
Nome Airport, Alaska (3586. 70)
Nome Harbor, Alaska (3586. 70–3590)
Noonday Rock, Calif (50)
Nootka, B. C. (133)
North Bend, Oreg. (83, 1289, 1295)
North Cape, Alaska (202)
North Channel, Col. River (2040–2047)
North End, Calif. (790–839)
North Foreland, Alaska (3423)
North Head, Alaska (198)
North Head, Wash (97)
North Inian Pass, Alaska (3231)
North Island Rock, Orca Bay, Alaska. (3350)
North Island, San Diego Bay, Calif. (316, 319, 326. 10)
North Kitson Bank, B. C. (2824)
North Middle Ground Shoal, Alaska. 257
North Portland Harbor, Col. River (1614–1616)
North Rachael Island, B. C. (2821)
North Reef, Strait of Georgia, B. C. (2613)
North River Channel, Wash. 153
North Roche Harbor Dock, Wash. (2506. 11)
North Rock, Prince William Sound, Alaska (3351)
North Rock Shoal, Alaska 250
North Slough, Coos Bay, Oreg. (1311)
North Spit, Alaska 254
Northeast Arm, Alaska (3480)
Northeast Pass, Truk Islands, Pacific Islands (3836)
Northeast Point, Strait of Georgia, B. C. (2669)
Northwest Corner, Norton Sound, Alaska (227)
Northwest Rocks, B. C. (2742)
Northwestern Aero, Seattle Harbor, Wash. (2288)
Norton Sound, Alaska. (216–223, 228, 3566–3591) 271
Nose Head, Alaska (3238)
Notices to Mariners X
Noyo, Calif. (58, 1204, 1205)
Nualolo Beach, Kauai Island 288
Nuchatilitz, B. C. (135)
Nukdik Point, Alaska 233
Nushagak Bay, Alaska (213, 3555–3564. 11)
Nut Island, Alaska (3467)

O

Oahu Island, Hawaii (3688–3752. 20) 283
Oak Bay, Wash. 172
Oak Harbor, Wash (2421–2429)
Oak Head, Wash (2366)
Oak Point, Wash (1499)
Oakland Harbor Bar Channel, Calif (700)
Oakland Inner Harbor, Calif (714–718)
Oakland Middle Harbor, Calif (711–713)
Oakland Municipal Airport, Calif (740)
Oakland Outer Harbor, Calif (701–710)
Observatory Point, Pacific Island. (3805)
Obstruction Pass, Wash (2486)
Ocean Beach Pier, Calif. (2. 09)
Ocean Cape, Alaska (169, 3338)
Oceanside Breakwater, Calif. (360. 15)
Oceanside, Calif. (360. 10–360. 40)
Oceanside Marker Radiobeacon, Calif. (7. 01, 360. 16)
Oceanside South Jetty, Calif. (7. 02, 360. 25)
Odiak Channel, Alaska (3354)
Odlum Island, B. C. (2722)
Ogden Passage, Alaska 248
Ogden Point, B. C. (2236)
Ohio Rock, Alaska (2961)
Oil Dock Reef, Zimovia Strait, Alaska 219
Oil well structures XVI
Okinawa, Pacific Islands (3857–3887)
Okinawa, South Side, Pacific Islands (3876, 3877)
Okinawa, West Side, Pacific Island (3885)
Okino Rock, Saipan 298
Old Lady Canyon, Col. River (1784. 11)
Old Sitka Rocks, Alaska (3309)
Oleum Wharf, Calif (853, 854)
Olga Strait, Alaska (3310, 3311)
Oliktok Point Racon, Alaska (253)
Olympia Channel, Wash (2336, 2337)
Olympia Entrance, Wash (2333)
Olympia Harbor, Wash (2330–2339)
Olympia Inner, Wash (2338, 2339)
Olympia Shoal, Wash (2330)
Olympia Turning Basin, Wash. 171
Orote Point, Guam Island (3840)
Onamac Point, Wash (2420)
Ora Wan, Pacific Islands (3857–3860)
Orca Bay, Alaska (3347, 3350)
Orca Inlet, Alaska (3351, 3357)
Orchard Point, Wash (2382)
Orchard Rocks, Wash (2383)
Ork Reef, Oregon (1317)
Ormiston Point, B. C. (2809)
Orote Peninsula, Pacific Islands 296
Oswego Pier, Oreg. (2084. 11, 2084. 13)
Otstoia Island, Alaska (3329, 3330)
Otter Passage, B.C. (2739)
Ough Reef, Col. River 116
Oxford Reef, Oreg. (78)
Oxnard Sewer Outfall, Calif. 42

P

Pachena, B. C. (111)
Pacific Gas and Electric Co. Dike Calif. (1229)
Pacific Gas and Electric Co. Tower, Calif. (871)
Pack River, Idaho (2562)
Padilla Bay, Wash (2454–2461)
Page, Wash (1952)
Page Rapids, Wash (1950, 1951)
Pago Pago Harbor, Samoa Islands (3802–3805)
Pago Pago Inner Harbor, Samoa Islands 291
Palaoa Point, Lanai Islands (3676)
Palau Islands, Pacific Islands 299–301
Palix River, Wash (2140)
Palos Verdes Point, Calif. (16. 55)
Palos Verdes Yacht Club Race Course, Calif. 39
Palouse Bluff, Col. River (1968. 55)
Palouse River, Col. River (1968. 71)
Pancake Point Dike, Oreg (1473)
Pankof, Alaska 22
Panther Point, B. C. (2619)
Paradise Cay, Calif. (799. 11)
Paradise Cove, San Monica Bay, Calif. (489)
Parizeau Point, B.C. (2831)
Park Department Boat Ramp, Wash (2279)
Parker Landing, Col. River (1648)
Parker Reef, Georgia Strait, Wash. (2528. 11)
Partridge Bank, Wash (2251)
Pasco, Col. River. 129
Passage Canal, Alaska (3372–3374)
Passage Island, Cook Inlet, Alaska 254
Pastol Bay, Alaska (3566, 3567)
Pastol Bay and Yukon River Delta, Alaska (3566–3572)
Pastolik River, Alaska (3568)
Paterson, Col. River (1821. 11–1823. 11)
Patos Island, Wash (2528)
Paukaa Point, Hawaii (3624)
Paul, Col. River (1968. 29)
Paul Island, Alaska (3492)
Pauloff Harbor, Alaska (194)
Pauwela Point, Hawaii (3663)
Peacock Spit, Wash (1388, 1390, 1394)
Peapod Rocks, Wash (2488)
Pearl Harbor, Hawaii (3741, 3742. 12)
Pearl Island, Idaho (2565)
Pearl Island, Wash. (2505. 11, 2506)
Pearse Canal, Alaska (2907)
Peavine Pass, Wash. (2485) 187
Peep Rock, Alaska (3275)
Peile Point, B. C. (2603)
Pelican Entrance, Alaska (3240)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Pender Harbor, B. C. (2666)
Peninsula Point, Tongass Narrows, Alaska 215
Pennock Island, Alaska (2952)
Pennsylvania Rock, Alaska 251
Pepeekeo Point, Hawaii (3623)
Peril Strait, Alaska (3322–3334)
Period of lights VI
Perl Island, Alaska (3396)
Perl Rock, Alaska (3395.50)
Perry, Col. River (1968.61, 1968.63)
Perry Island, Alaska (3369)
Petaluma River, Calif (855–862)
Peter Dahl, Alaska 249
Petersburg Bar, Alaska (3070, 3071)
Petersburg Creek, Alaska (3065, 3066)
Petersburg Public Dock, Alaska (3076, 3077)
Peterson Islet, B. C. (2692.50)
Petrel Rock, B. C. (2826)
Philippine Islands (3891–3899)
Phillimore Point, B. C. (2605)
Phillips LNG Dock, Alaska (3418.96, 3418.97)
Phillips Pacific, Wash. (1922)
Phoenix Islands, Pacific Islands 291
Piedras Blancas, Calif (34)
Piedras Island Reef, Alaska 240
Pier, San Francisco Bay, Calif. (666–696)
Pier No. 1, Calif. (689, 690)
Pier 2, Possession Sound, Wash (2413)
Pier 17, Calif. (688)
Pier 26, Calif. (692)
Pier 27–29 East & West, Calif. (687.01, 687.02)
Pier 32, Calif. (693)
Pier 34, San Francisco Bay, Calif (800)
Pier 35, San Francisco Bay, Calif. (802)
Pier 36, Calif. (694)
Pier 41, Calif. (685, 686)
Pier 45, Calif (683, 684)
Pier 46, Calif. (696)
Pier 47, Calif (824)
Pier 48, Calif (826)
Pier A, Calif. (12, 426, 666, 667)
Pier B, Calif. (332, 668, 669)
Pier C, Calif. (670, 671)
Pier D, Calif (672, 673)
Pier E, Calif. (674, 675)
Pier F, Long Beach Channel, Calif. (436)
Pier G, Calif. (676, 677)
Pier H, Calif. (678, 679)
Pier I, Calif. (680)
Pier J, Calif. (421, 428, 681)
Pier K, Calif. (682)
Pigeon Point, Calif (42)
Pillar Point, Alaska (3465)
Pillar Point Harbor, Calif. (621.13–623)
Pillar Point Reef, Calif. (621.12)6
Pillar Rock, Col. River (1435, 1436, 1438–1443)
Pillar Rock Dike, Col. River (1438.11)
Pilot Rock, Alaska (180)
Pilot Rock, Calif. 8
Pine Island, B. C. (2720)
Pine Island Channel, Willapa Bay, Wash. 153
Pine Tree Point, Col. River (1972)
Pine Tree Rapids, Wash (1966)
Pinta Rock, Alaska (3220.50)
Piper Creek, Wash. 165
Pirate Cove, Alaska (3495)
Pitt Island, B. C. (2810.50)
Pitt Passage Rocks, Wash. 170
Pitt Point, B. C. (2811)
Pleasant Island Reef, Alaska. (3222)
Pitt Point, B. C. (2811)
Pleiades, Alaska (3378)
Plum Point, Wash. 138
Plymouth Light, Col. River (1839.11)
Pohakuloa Point, Hawaii (3675.11)
Point Adolphus, Alaska (3223)
Point Alexander, Wrangell Narrows, Alaska (3013)
Point Ancon, Alaska (3004)
Point Arden, Alaska (3146)
Point Arena, Calif (56)
Point Arguello, Calif (25)
Point Atkinson, B. C. (2634)
Point Augusta, Alaska (3211)
Point Baker, Alaska (3091)
Point Baker Anchorage, Alaska 225
Point Benham, Alaska (3331.50)
Point Bennett, Calif. (403)
Point Bentinck, Alaska (177)
Point Blunt, Calif. (654)
Point Bolin Reef, Wash (2372.13)
Point Bonita, Calif. (49, 636)
Point Buchon, Calif (30)
Point Cabrillo, Calif (57)
Point Chauncey, Calif. (796)
Point Chehalis, Wash. (2152, 2153, 2209–2211)
Point Colpoys, Alaska (3007)
Point Conception, Calif. (24)
Point Cornwallis, Alaska. (153.10)
Point Craven, Alaska (3334)
Point Crowley, Alaska (3114)
Point Cumming, B. C (2792)
Point Cypress, Calif (37)
Point Davison, Alaska (2930)
Point Defiance, Wash (2316)
Point Delgada, Calif (59)
Point Diablo, Calif. (641)
Point Dume, Calif. (18)
Point Edith, Calif. (908-909)
Point Eleanor, Alaska (3367)
Point Elrington, Alaska (3385)
Point Espada, Alaska 239
Point Esther, Alaska (3371)
Point Evans, Wash (2318)
Point Fermin, Calif (14, 15)
Point Frances, Wash. (2472.75)
Point Gambier, Alaska (3138)
Point Gardner, Alaska (3128)
Point Glover, Wash (2385)
Point Grenville, Wash. (102.11)
Point Grey, B. C. (2633)
Point Hannon, Wash (2351)
Point Harrington, Alaska 218
Point Harris, Alaska (3119)
Point Helen, Alaska (3380)
Point Herron, Wash (2388)
Point Hilda, Alaska (3173)
Point Hope, Alaska (228)
Point Hudson, Wash. (2254.51, 2255, 2339.51, 2340)
Point Hueneme, Calif. (20, 490)
Point Hugh, Alaska (3141)
Point Incarnation, Alaska (3271)
Point Jefferson Wreck, Wash. (2272.70)
Point Knox, Calif. (655)
Point Lavinia, Alaska (3229)
Point Lay Racon, Alaska (233)
Point Lockwood, Alaska (3015)
Point Loma, Calif. (1)
Point MaCartney, Alaska (3132)
Point Mackenzie, Alaska (3428–3430)
Point Marsden, Alaska 235
Point Marsh, Alaska (2904, 3241)
Point McCartey, Alaska (2934)
Point Migley, Wash. (2473.51)
Point Monroe, Wash (2276, 2371)
Point Montara, Calif. (45, 45.10)
Point No Point, Wash (2262)
Point No Point to Seattle, Wash. (2262–2286)
Point Orient, Calif. (830, 831)
Point Partridge, Wash (2252, 2253)
Point Pigot, Alaska (3372)
Point Pinos, Calif (38, 39)
Point Pogibshi, Alaska (3402.50)
Point Polnell, Wash. (2428, 2429)
Point Possession, Alaska (3424.50)
Point Pully, Wash (2299)
Point Retreat, Alaska (3199)
Point Reyes, Calif (52)
Point Richmond, Calif (814)
Point Roberts, Wash (2532, 2533)
Point Robinson, Wash (2300)
Point Romanof, Alaska (216, 3573)
Point St. Albans, Alaska (3107)
Point San Luis, Calif. (600)
Point Siroi Island, Alaska (3325.50)
Point Spencer, Alaska (224)
Point Stanhope, Alaska 218
Point Stephens, Alaska 232
Point Sur, Calif. (36)
Point Swift, Alaska 241
Point Upwood, B. C (2662)
Point Vashon, Wash (2303)
Point Vicente, Calif. (16)
Point Wells, Wash. (2265, 2266, 2272)
Point White, Wash (2386)
Point Wilson, Wash (2254)
Point Woronzof, Alaska (3427.50–3427.70)
Pointer Island, B. C. (2764)
Pointer Rocks, B. C. (2843)
Pokai Bay, Hawaii (3748.11)
Pole Pass, Wash (2498)
Ponape Harbor Boat Channel, Pacific Island 295
Ponape Harbor, East Caroline Islands (3835) 295
Ponape Island, Pacific Islands (3835)
Pond Reef, Alaska (2963)
Popham Island, B. C (2637)
Popof Reef, Alaska (3498)
Popof Strait, Alaska (3497)
Porcupine Bay, Wash. (1983.21)
Porlier Pass, B. C (2622–2624)
Port Alexander, Alaska (3116–3118)
Port Althorp, Alaska (3233–3235)
Port Angeles Boat Haven, Wash. (2243, 2246)
Port Angeles Harbor, Wash. 162
Port Angeles Mooring Basin, Wash. (2244, 2245)
Port Angeles Port Dock, Wash. (2242.11)
Port Armstrong, Alaska (3120)
Port Armstrong Channel, Alaska (3121)
Port Ashton, Alaska 252

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are gives the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Port Chatham, Alaska 254
Port Chester, Alaska .... (2937–2940)
Port Chicago, Calif. .... (920–925)
Port Dock, Fidalgo Bay, Wash .... (2449)
Port Gamble, Wash .... (2352–2355)
Port Gardner, Wash .... (2412–2416)
Port Graham, Alaska .... (3402, 3402. 50)
Port Hueneme, Calif. .... (490–496)
Port-Industrial Waterway, Wash. (2311, 2312)
Port Kelley, Col. River 128
Port Ludlow, Wash. 173
Port Madison and Port Orchard,
Wash. .... (2371–2373. 11)
Port Moller, Alaska 266
Port Nellie Juan, Alaska .... (3375)
Port Olongapo, Philippine Islands .... (3897)
Port of Poulsbo, Wash .... (2374–2377)
Port Orchard, Sinclair Inlet, Wash. 176
Port Orchard Mooring, Wash. ..... (2373. 11)
Port Oxford Entrance, Oreg. ... (77. 11, 7713)
Port Protection, Alaska .... (3101)
Port San Juan, B. C. .... (2227)
Port Susan, Wash. 180
Port Townsend Breakwater, Wash. (2341, 2342)
Port Townsend Canal, Wash. ..... (2348, 2349)
Port Townsend and Oak Bay,
Wash. .... (2339. 51–2349)
Port Wakefield, Alaska .... (3434. 70)
Port Walter, Alaska .... (3122)
Port Washington Narrows, Wash. 176
Portage Bay, Frederick Sound, Alaska (3085)
Portage Bay, Keku Strait,
Alaska .... (3098, 3099)
Portage Bay Channel, Lake Washington
Canal, Wash. 177, 178
Portland Airport, Oreg. .... (1617, 1618)
Portland to Albany, Col. River. (2083–2089)
.... 148, 149
Portland Canal, Alaska and B. C. (2908–2911)
Portland Inlet, B. C .... (2905, 2906)
Portland Island, Stephens Passage,
Alaska .... (3180)
Portlock Harbor, Alaska .... (3337)
Portlock Point, B. C .... (2601)
Portofino, Calif. .... (482. 21, 482. 22)
Portuguese Point, Oreg. 143
Possession Point, Wash ...... (2263, 2410)
Possession Sound, Wash ...... (2410–2416)
Post Office Range, Oreg ...... (2072, 2073)
Post Point, Wash .... (2467)
Potter Rock, Alaska .... (2925)
Poundstone Rock, Alaska .... (3183)
Povorotni Island, Alaska .... (3328)
Powers Marine, Oreg. 146
Preachers Eddy, Col. River ..... (1768) 124
Preedy Harbor, B. C .... (2616)
Presidio Shoal, Calif. 49
Price Island, Col. River .... (1455)
Priest Rock, Alaska .... (199, 3520)
Prince Rupert Harbor, B. C. ... (2827–2834)
Prince William Sound, Alaska (3345–3385. 11)
Prindle, Col. River .... (1672)
Private aids X1
Prokoda Island, Alaska .... (3433)
Protection Island, Wash. 163
Protection Point, Alaska 268
Puffin Island, Wash. .... (2528. 21)
Puffin Island Reef, Alaska .... (3452)
Puget Island, Col. River ...... (1458–1460,
1464, 1465)
Puget Sound, Wash. .... (2262–2339,
2371–2409)
Pulali Point, Wash .... (2368)
Pulteney Point, B. C .... (2701)
Punta Gorda, Calif .... (61)
Puyallup Waterway, Wash .... (2309)
Pybus Bay, Alaska .... (3136, 3137)
Pyramid Cove, Calif. .... (380. 15)
Pyramid Head, Calif .... (380)
Pyramid Rock, Hawaii .... (3688)

Q

Quarantine, Col. River .... (2045)
Quarry Point, B. C .... (2786)
Quarry Point, Calif. .... (795. 51)
Quartermaster Harbor, Wash. 168
Quathiaski Cove, B. C .... (2681. 50)
Queen Charlotte Sound, B. C .. (2722, 2723)
Queen Charlotte Strait, B. C ... (2702–2721)
Quillayute River, Wash. .... (2215–2218) 13
Quivera Basin, Calif. ..... (356. 20, 356. 25)

R

Raccoon Strait, Calif. .... (656-662)
Race Point, Alaska .... (3426)
Race Point, B. C .... (2683)
Race Rocks, B. C .... (2232)
Racing buoys XIV
Radar XIX
Radiobeacons .... XVI, XVIII
Railroad Pier, Alaska 253
Ramsbotham Island, B. C .... (2799)
Ramsden Point, B. C .... (2906)
Range Island, Alaska .... (3496)
Range A Left Cut, Wash. .. (2160. 11, 2160. 12)
Range A Right Cut, Wash. (2160. 13, 2160. 14)
Range B Left Cut, Wash. . (2169. 11, 2169. 12)
Range B Right Cut, Wash. (2169. 13, 2169. 14)
Range C Left Cut, Wash. .. (2173. 11, 2173. 12)
Range C Right Cut, Wash. (2173. 13, 2173. 14)
Raspberry Strait, Alaska ..... (3486, 3487)
Ratz Harbor, Alaska .... (2988)
Ravine, Col. River .... (1968. 47)
Rebecca Rock, B. C. .... (2672)
Red Bluff, Alaska .... (211, 3539)
Red Cliff Point, B. C .... (2788)
Redding Rock, Calif .... (68)
Redondo Beach, Calif. .... (482. 10, 482. 11)
Redondo Canyon Fish Haven, Calif. 39
Redondo Harbor, Calif. .... (481-482. 52)
Redondo Marina, Wash .... (2301)
Redwood Creek, Calif. .... (771-780. 12)
Reed Island, Col. River ...... (1657, 1658)
Reeder Point, Col. River .... (1594)
Reedsport, Oreg. .... (1332)
Reef Island, Portland Canal Alaska .. (2908)
Reid Rock, Wash. .... (2494. 13)
Renton Log Storage Area, Wash. ... (2405)
Reporting defects in aids XII
Repulse Point, B. C .... (2655)
Rescue Island, Wash. 132
Resurrection Bay, Alaska ..... (3386-3393)
Return Channel, B. C .... (2770–2772)
Reverman Dock, Wash. .... (2396. 51)
Revillagigedo Channel, Alaska (2917. 20–2925)
Ribbon Cliff, Lake Entiat, Wash. 137
Rice Bar, Oreg. 148
Rich Passage, Wash .... (2381–2387)
Richardson, Wash .... (2492)
Richardson Rock, Calif .... (404)
Richland, Col. River ...... (1927, 1927. 11)
Richmond Harbor Approach, Calif. (809, 810)
Richmond Harbor Channel, Calif. (808–819)
Richmond Harbor Jetty, Calif. 60
Richmond-San Rafael Bridge East Channel,
Calif .... (822–827)
Richmond-San Rafael Bridge West Channel,
San Francisco Bay, Calif. .... (797–802)
Rickey, Col. River .... (1999)
Riddle Spit, Willapa Bay, Wash .... (2131)
Riparia, Col. River .... (1968. 87)
Rio Vista Bridge, Calif. .... (1086)
Ripple Point, B. C .... (2688)
Ritidian Point, Guam Islands .... (3837)
Riverdale Bar, Oreg. 148
Roberts Bank, B. C .... (2629)
Roche Harbor, Wash. 189
Rock Creek, Col. River ... (1779. 11-1781. 11)
Rock Dump, Alaska .... (3152)
Rock Island Channel, Col. River 147
Rock Point, B. C .... (2687)
Rock Point, Lisianski Inlet, Alaska .. (3239)
Rock Point, Valdez Arm, Alaska 251
Rockland, Col. River .... (1448)
Rocky Island, Alaska .... (3214)
Rocky Patch, Alaska .... (3290)
Rocky Point, Col. River .... (2048)
Rocky Point, Norton Sound, Alaska (221, 3586)
Rocky Point, Unalaska Island, Alaska ... 265
Rocky Reef, Oreg. 147
Rod and Gun Club, Calif. .... (1044. 10)
Rodeo Radar Target, Calif. .... (852)
Rodgers Break, Calif. 8
Rodman Rock, Alaska 247
Roe Island, Calif. .... (916, 917)
Rogue River, Oreg. .... (1246–1247. 11)
Rogue River Approach, (77, 1246–
Oreg. 1247. 11)
Roi-Namur Islands Channel, Marshall
Islands .... (3811. 53–3811. 56)
Rookery Island, Alaska .... (2996)
Roosevelt, Col. River .... (1786. 11–1788. 11)
Rooster Rock, Col. River .... (1664. 11)
Rosa Reef, Alaska .... (2962)
Rosario Strait, Wash. .... (2476–2489. 11)
Rose Channel, Alaska 247
Rose Island, Peril Strait, Alaska ..... (3327)
Rose Spit, B. C .... (2736)
Rosenfelt Rock, B. C. .... (2527. 51)
Ross Island, Oreg. 146
Round Island, B. C .... (2705)
Round Islands, Alaska .... (3243)
Round Point, Alaska .... (3003)
Round Rock, Alaska .... (3137)
Rowena, Col. River .... (1739–1740)
Rufus, Col. River 124
Rugged Island, Alaska .... (179, 3386)
Rugged Island, B. C. .... (143. 50)
Rugged Point, B. C. .... (137. 50)
Rukan Sho, Pacific Islands .... (3877)
Rush Point Shoal, Alaska 236
Russian Island, Col. River .... (2055)
Ruxby Bend, Col. River .... (1968. 33)
Ryan Point, Wash. .... (1611, 1612)
Ryan Point Reef, B. C. .... (2837. 50)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

S

Sacajawea, Col. River (1924)
Sacramento Channel, Calif. (949, 1047–1147)
Sacramento Intake, Calif (1190)
Sacramento River, Calif. (1148–1190)
Saginaw Channel, Alaska (3197–3199)
St. Francis Yacht Club, Calif. 49
St. George Reef, Calif (71)
St. Helens, Col. River (1567–1572)
St. Helens Channel, Col. River. (2058–2060)
St. Helens to Vancouver, Col.
  River (1573–1603, 2058–2064)
St. Helens to Vancouver. Main Channel.
  Col. River (1573–1603)
St. Ignace Rock, Alaska (3258)
St. Joe River, Idaho (2550)
St. Johns Railway Bridge, Oreg. (2076)
St. Michael Canal, Alaska 269
St. Paul, Alaska (214)
St. Paul Harbor, Alaska (3449–3453)
Sainty Point, B. C. (2807)
Saipan, Pacific Islands (3854.40–3854.51)
Salem Bar, Oreg. 148
Salisbury Sound, Alaska (3321)
Salmon Bank, Wash. (2248, 33) 187
Salmon Bay Channel, Wash. 177
Salmon Harbor Directional, Oreg. (1319)
Salmon Harbor Entrance, Oreg. (1317.11, 1318)
Salmon River Shoal, Alaska 212
Salt Point, Alaska (3094)
Saltery Point, Alaska 239
Samoa Channel, Calif. (1222. 1222.10)
Samoa Islands, Pacific Islands (3800–3806)
San Alberto Bay, Alaska (3260–3268)
San Bruno, Calif (750–756)
San Christoval Channel, Alaska (3269, 3270)
San Christoval Three Fathom, Alaska 240
San Clemente Island, Calif. (379–387)
San Diego Aero, Calif. (330)
San Diego Bay, Calif. (2,300–352.05)
San Diego-Coronado Bay Bridge,
  Calif. (336.10)
San Francisco Airport, Calif (763–766)
San Francisco Airport Seaplane Area,
  Calif. (761)
San Francisco Approach, Cal. (47.10)
San Francisco Bay, Calif (647–1190)
San Francisco Bay Approach, Calif (624–646)
San Francisco Bay Approach (From Northland).
  Calif. (632–639)
San Francisco Bay North, Calif. (833)
San Francisco Bay South Channel,
  Calif. (761, 770, 782)
San Francisco East Yacht, Calif. (648.12)
San Francisco Main Ship Channel, Calif.
  (624–631)
San Francisco Northern Traffic Lane,
  Calif. (49.11)
San Francisco Southern Traffic Lane,
  Calif. (45.11, 45.12)
San Francisco Submarine Outfall. Calif. (648.10)
San Francisco Waterfront, Calif. (683–700)
San Francisco West Yacht. Calif (648.11)
San Joaquin River, Calif. (949–1045)
San Juan Channel, Wash (2490–2500)
San Juan Point, B. C. (2227.11)
San Leandro Bay Channel, Calif (719)
San Leandro Marina, Calif. (741-742.12)
San Luis Obispo, Calif. (27) 44
San Luis Obispo Bay, Calif (600)
San Mateo-Hayward, San Francisco,
  Calif. (769)
San Mateo–Hayward Bridge, Calif. 56
San Mateo Point Security Zone, Calif. 2
San Miguel Island, Calif (403, 404)
San Nicolas Islands, Calif. (388–393)
San Onofre Discharge, Calif. 2
San Onofre Intake, Calif. (7.30)
San Pablo Bay, Calif. (840–879)
San Pedro Bay, Calif. (404.55–480)
San Pedro Channel Calibration, Calif. (10.11)
San Pedro East Channel, Calif. (476.11, 476.12)
San Pedro West Channel, Calif. (478–480)
San Rafael Creek, Calif. (834–838)
San Simeon, Calif (33)
Sand Heads, B. C. (2630, 2631)
Sand Island, Col. River (1391, 1392, 1665.11)
Sand Island, Midway Island (3771)
Sand Island Lower Dike, Col. River (2040)
Sand Island Middle Dike, Col. River (2041)
Sand Island Obstruction,
  Pacific Island (3787)
Sand Island, Oahu Island, Hawaii (3722)
Sand Island Reef, Alaska 234
Sand Island Shoal, Wash. (2166.22, 2166.23)
Sand Island Upper Dike, Col. River (2042)
San Juan Point, Wash. (2227.11)
Sand Point, Alaska Peninsula, Alaska. (3499)
Sandy Point, Saratoga Passage, Wash. (2417)
Sandy Point, Willapa Bay, Wash. (2130)
Santa Barbara, Calif (22. 511.55)
Santa Barbara Channel, Calif. (490–511.55)
Santa Barbara Harbor, Calif. (509, 509.10)
Santa Barbara Island, Calif. (400)
Santa Barbara Sewer, Calif. 43
Santa Catalina Island, Calif. (394–399,
  400.56–401)
Santa Clara Point, Calif. (356.55)
Santa Cruz, Calif (40, 618.05-621)
Santa Cruz Island, Calif. (400.55)
Santa Cruz Island, Calif. (400.55–401)
Santa Fe Ferry, San Francisco, Calif. (699)
Santa Monica Bay, Calif. (481–489)
Santa Monica Breakwater, Calif. 41
Santa Monica Entrance, Calif. (487)
Santa Monica Fish Haven, Calif. 41, 42
Santa Monica Fog Signal, Calif. (488) 1
Santa Rosa Island, Calif (402)
Sarah Island, B. C. (2785)
Santa Rosa Reef, Pacific Islands (3854.33)
Saratoga Passage, Wash (2417–2429)
Saturna Island, B. C. (2527)
Saunders Creek (2809.50)
Saunders Island, B. C. (2768.50)
Saunders Reef, Calif (54)
Sausalito Channel, Calif. (659–661)
Savakvik Point Racon, Alaska (257)
Scarlett Point, B. C. (2714)
Scatchet Head, Wash. 164
Scattergood, Calif. 40
Scheiben Island, Pacific Islands. 296
Scotch Cap, Alaska (195)
Scott, Wash. (1967)
Scrag Islands, Alaska. 238
Scroggs Rock, B. C. (2236.50)
Scrub Island, Alaska (2939)
Scudder Point, B. C. (2726.50)
Sea Lion Rock, Alaska (207)
Sea Otter Sound, Alaska (3280, 3281)
Seabird, B. C. (111.11)
Seacoast, Alaska (153–228)
Seacoast, B. C. (109–152)
Seacoast, Calif. (1–72)
Seacoast, Oreg. & Wash (73–108)
Seaforth Channel, B. C. (2773–2777)
Seal Cape, Alaska (3502)
Seal Cove, Alaska. 214
Seal Island, Alaska (3366)
Seal Island Channel, Calif. (906.51
  925.11, 925.51)
Seal Rocks, Alaska (181)
Seal Rocks, Hecate Strait, B. C. (2747)
Seal Rocks, Skagit Bay, Wash. (2443)
Seattle Harbor, Wash. (2288–2295)
Seattle to Tacoma, Wash (2296–2302)
Second Lake Washington Toll Bridge.
  Wash. (2400.51, 2400.52)
Secondary Channels, Col. River. (2004–2029)
Security Bay, Alaska (3129)
Seechelt, Strait of Georgia. B. C. (2643)
Seguam Island, Alaska. (201)
Seldovia Bay, Alaska. (3403–3407)
Seldovia Breakwater, Alaska (3407)
Seldovia Dock, Alaska. (3406.10, 3406.20)
Seldovia Entrance, Alaska (3404–3406)
Semiahmoo Bay, Wash. (2531–2531.31)
Sentinel Island, Alaska (3184)
Sequim Bay, Wash. 163
Sequoia Oil Wharf, Calif. (852.51-852.53)
Sergius Narrows, Alaska (3324)
Serpent Point, B. C (2765)
Severn Springs, Col. River (1992)
Seward Boat, Alaska 253
Seward, Resurrection Bay, Alaska (3392,
  3393)
Shag Rock, Rosario Strait, Wash. 186
Shakan Bay, Alaska (3106)
Shakan Strait, Alaska. 227
Shaktolik River, Norton Sound, Alaska (3580)
Shallow Check, Calif. 26
Shannon Point, Rosario Strait, Wash (2481)
Shaver Mooring, Oreg. (2080)
Sheep Creek, Alaska (3149)
Sheep Island, Alaska (3469.11)
Shelikof Strait, Alaska. (3477, 3488)
Shell Oil Co., Wash (2455)
Shell Oil Wharf, Calif. (890.11-890.13.
  1189)
Shell Rock, Col. River (1997)
Shelter Cove, Calif. 8
Shelter Cove Entrance, Alaska. (3261, 3262)
Shelter Island, Alaska (3181)
Shelter Island, San Diego Bay, Calif. (320)
Sheridan Point, Col. River (1693)
Sheringham Point, B. C (2229)
Sherman Creek, Col. River (2000)
Sherman Rock, Alaska (3187)
Shilshole Bay, Puget, Sound,
  Wash. (2280, 2281, 2389–2393)
Shilshole Bay to Hiram M. Chittenden
  Locks, Wash. (2389-2395)
Shilshole Boat Basin, Wash (2278)
Shingle Bay, Idaho (2549)
Ship Island, Clarence Strait, Alaska (2984)
Ship Rock, Calif (397)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Shirt Tail Reef, Wash............... (2495)
Shishmaref, Alaska.................. (226)
Shoal Island, Sitka Sound, Alaska.... (3296)
Shrub Island, B. C ... . (2837)
Shumagin Islands, Alaska.... (3493–3501)
Shuyak Strait, Alaska .... (3488. 50, 3489)
Sidney Inlet, B. C............. (121, 130)
Signal Island, Alaska.............. (3300)
Simmons, Wash .... (1959)
Simpson Rock, Alaska............. (3288)
Sinclair Inlet, Wash .... (2388)
Sinclair Island, Wash............... (2463)
Sisters, B.C. .... (2649)
Sisters Island, Alaska .... (3218)
Sisters Rock, Wash................. (2359)
Sitka Boat Harbor, Alaska .... (3305)
Sitka Dock, Coos Bay, Oreg......... (1269)
Sitka Harbor Channel, Alaska.. (3306, 3308)
Sitka Point, Alaska. 243
Sitka Sound, Alaska....... (3284–3320. 30)
Sitkalidak Passage, Alaska .... (3470)
Sitkalidak Strait, Alaska...... (3465–3470)
Sitkinak Strait, Alaska .... (3466–3474)
Siuslaw River, Oreg. .. (86, 1338–1342. 22)
Six Mile Creek, Wash. 139
Sixteen Foot Shoal, Philippine Islands (3894)
Skagit Bay, Wash .. (2430–2435, 2443, 2444)
Skagway Breakwater, Alaska .... (3196)
Skamania, Col. River .... (1679. 11)
Skamokawa, Col. River .... (1452)
Skamokawa Creek, Col. Rover .... (1454)
Skin Island, Alaska .... (2976)
Skipanon Waterway, Col. River. (2024–2027)
Skipjack Island, Wash .... (2524)
Skowl Point, Alaska................ (2979)
Skunk Bay, Wash. .... (2261. 11)
Slate Islands, Alaska................ (2919)
Slaughters Channel, Col. River ...... (1521)
Slaughters Dike, Col. River .... (1523)
Sledge Island, Alaska .... (222)
Slip Point, Wash....... .... (2228)
Slippery Rock, B. C .... (2839)
Small Chemical Dock, Oreg & Wash. (1563. 11)
Smith Cove, Wash. 166
Smith Island, Alaska .... (3365)
Smith Island, Wash................. (2249)
Smith River, Oreg.................. (1333)
Smith Sound, B. C............ (2753–2755)
Smoky Point, Alaska .... (209, 3533)
Smoky Point North, Alaska 267
Snake Island Reef, B.C. .... (2641, 2641. 51)
Snake River, Alaska 268
Snake River, Col. River .... (1928–1969. 93)
Snake River, Entrance, Wash. 129
Snatelum Point, Wash. 180
Snipe Island, Alaska .... (2927)
Snipe Point, Alaska................ (2970)
Snipe Rock, Ogden Passage, Alaska ... 248
Snohomish River, Wash .... (2414–2416)
Snow Passage, Alaska.............. (2994)
Socony Mobil North and South, Wash. .. (2530)
Softuk Bar, Alaska 249
Solander Island, B. C................ (142)
South Bay Channel, Grays Harbor, Wash...................... (2209–2214)
South Channel, Calif. (769–770, 782–784) 47
South Craig Point, Alaska 220
South End, Calif. .... (736–788) 58
South Inian Pass Rock, Alaska ...... (3228)
South Leschi, Wash. .... (2400. 90)
South Niblack Island, Alaska .... (2996. 50)
South Passage, Sukkwan Strait, Alaska .. 238
South Passage Point, Alaska........ (3208)
South Point, Calif.................... (402)
South San Francisco Yacht Harbor, Calif......................... (758, 759)
South Shoal, Calif. 47
South Shore Alaska Peninsula, Alaska...................... (190–196)
South Slough, Coos Bay, Oreg . (1309, 1310)
South Spit, Cook Inlet, Alaska 254
South Willapa Bay, Wash........... (2130)
Southampton, Calif................. (795)
Southampton Shoal, Calif. .... (795)
Southampton Shoal Channel, Calif. (804–807)
Southampton Yacht Course, Calif. 58
Southeast Reef, Calif............ (621. 11)
Southern California Islands, Calif. (378–404)
Southey Point, B. C................ (2618)
Souza Rock, Calif.................... (26)
Spanish Islands, Alaska .... (3112)
Spasski Island, Alaska .... (3219)
Special radio direction finder calibration stations.......................... XX
Spencer, Lake Entiat, Wash. 137
Sperry Flour Wharf, Calif........ (868, 869)
Spilsbury Point, B. C. .... (2678. 50)
Spire Island Reef, Alaska.... ...... (2923)
Spire Ledge, B. C.................. (2829)
Spithead, Alaska................... (3523)
Split Head, (Separation Point), B. C.. (2783)
Spokane Point, Idaho.............. (2548)
Spokane River, Col. River.......... (1983)
Spokane River Arm, Wash. (1983. 11–1983. 31)
Spongs Bar, Oreg. 147
Spring Island, B. C................... (141)
Squalicum Creek, Wash .... (2471)
Squally, Col. River ..... (1773. 13, 1774. 11)
Squally Point, Col. River .... (1741)
Squaw Canyon, Wash. .... (1983. 25, 1983. 31)
Squaxin Passage, Wash............. (2406)
Standard Designation and Description of Daymarks VII
Standard Oil Co., Gastineau Channel, Alaska .... (3155, 3156)
Standard Oil Co., Sitka Sound, Alaska................... (3297, 3298)
Standard Oil Co., Tongass Narrows, Alaska..................... (2946–2949)
Standard Oil Co., Wash. ..(2193. 11, 2193. 13)
Standard Oil Co., Wrangell Narrows, Alaska .... (3072, 3073)
Standard Oil Pier, Wash. .... (2242. 13)
Standard Oil Wharf, Calif. ...... (820, 821)
Stanley Channel, Wash. .... (2135, 2136)
Stanley Point, Wash................ (2136)
Star Rock, Alaska 19
Starkweather Landing, Oreg .... (2087)
Starr Point, Alaska.................. (3481)
Starr Rock, Wash. 184
Stat, Col. River .... (1968. 41)
Station Island, Alaska .... (3010. 05)
Steamboat Bend, Col. River ..... (1968. 67, 1968. 69)
Steamboat Slough, Col. River........ (1456)
Steamer Point, Alaska............. (3002)
Stearns Wharf, Calif................ (511)
Steep Island, B. C .... (2682)
Stella, Col. River........... (1503, 1504)
Stephens Passage, Alaska .... (3087–3089, 3138–3146, 3173–3180)
Steps Point, Samoa Islands.......... (3806)
Stevens Point, Oreg. 146
Stevenson, Col. River......... (1699, 1700)
Stewart, B. C....................... (2911)
Stikine Strait, Alaska......... (3002–3006)
Stockton Channel, Calif. .... (990–1045)
Story Point, B. C. .... (2767. 50)
Straights Point, Col. River .... (1730)
Strait Island, Alaska .... (3100. 05)
Strait of Georgia, Wash. and B. C. (2528. 11–2537, 2600–2679)
Strait of Juan de Fuca, Wash. and B. C..................... (2219–2253)
Strauss Rock, Alaska 231
Strawberry Point, Skagit Bay, Wash.... (2431)
Structures, Marking of XI
Sturgeon Point, Col. River 122
Subic Bay, Philippine Islands . (3891–3899)
Sugar Pine Point, Calif............. (1241)
Sugarloaf Point, Eastern Channel, Alaska.......................... (3292)
Sugarloaf Island, Alaska............. (168)
Suisun Bay, Calif............. (891–948)
Suisun Slough, Calif............ (900, 901)
Sukkwan Narrows, Alaska........... (3246)
Sukkwan Strait, Alaska .... (3246, 3247)
Sukoi Islets, Alaska .... (3081)
Suloia Point, Alaska .... (3322. 50)
Sumner Strait, Alaska(3007–3011, 3090–3092, 3100. 05–3113)
Sundale, Col. River .... (1783. 11)
Sunny Island, B. C................. (2770)
Sunny Point, Alaska .... (2958)
Surf Point, Alaska................. (3276)
Surge Bay, Alaska.................. (165)
Susan Rock, B. C................. (2778)
Sutil Point, B. C .... (2678)
Svensen Island, Col. River.......... (2054)
Swakane, Lake Entiat, Wash. 137
Swallow Head, Alaska........ (205, 3526)
Swan Island, Oreg. .... (2077, 2079, 2081)
Swanson Harbor, Alaska............ (3215)
Swawilla, Col. River. .... (1973)
Sweeper Cove, Alaska.............. (3530)
Sweetwater, Calif. 29
Swinomish Channel, Wash. . (2436–2441. 11)
Swinomish Channel North Entrance, Wash. .... (2456-2460)
Swinomish Channel South Entrance, Wash...................... (2432–2435)
Sydney Inlet, B. C............. (121, 130)

T

Table Island, Alaska.............. (3466)
Tabook Point, Wash................ (2370)
Tacoma Harbor, Wash .... (2308–2315)
Tacoma Narrows, Wash .... (2319, 2320)
Tacoma to Olympia, Wash..... (2316–2329)
Taira Sone Hatra Sone, Okinawa..... (3873)
Taiya Inlet, Alaska .... (3196. 50)
Takabaka Saki, Okinawa............ (3858)
Takanis, Alaska........................ 19
Talsani Island, Alaska .... (3188. 50)
Tamgass Harbor, Alaska....... (2931, 2932)
Tanapag Harbor, Saipan .. (3854. 40–3854. 51)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Tank Creek, Alaska 267
Tanner Creek, Col. River........... (1687)
Tansy Point Range, Col. River ..... (1405–1405.09)
Tasu Sound, B. C.................... (148)
Tatitlek Narrows, Alaska 251
Tcenakun Point, B. C............... (150)
Tebenkof Bay, Alaska.............. (3124)
Tee Harbor, Alaska................ (3182)
Tenakee Inlet, Alaska ..... (3208–3210) 235
Tenakee Reef, Alaska .... (3210) 235
Tenas George, Lake Entiat, Wash. 137
Tenas Island, B. C................. (2784)
Tengan Pier, Pacific Island ... (3867.11)
Tent Point, Alaska .... (2932)
Tenth Avenue Pier North, Calif. ... (335.10)
Tenth Avenue Pier South, Calif. ....(335.20)
Tern Island, Pacific Islands .... (3770)
Tern Island Small Boat Passage, Pacific Islands 288
Texade Island, B.C. .... (2261.50)
Texas, Col. River ...... (1968.81, 1968.83)
Texas Company (The), Wash .... (2454)
Thanksgiving Island, Col. River .. (1796.11)
Thesing, Oreg. 146
Thin Point, Alaska .... (3515)
Thomas Basin East, Alaska........ (2950)
Thomas Basin West, Alaska......... (2951)
Thomas Bay, Alaska................ (3082)
Three Brothers Reef, Alaska........ (3434)
Three Hill Island, Alaska........... (3235)
Three Island Bend, Wash ..... (1944–1947)
Three Tree Point, Col. River........ (1446)
Threemile, Col. River.............. (1984)
Threemile Point, Col. River......... (1746)
Threemile Slough, Calif. 967, 967.10)
Tillamook Bay, Oreg. .....(93.05, 1370.05–1375)
Threemile, Umpqua River, Oreg...... (1326)
Thumb Cove, Alaska................ (3389)
Tibbs Inlet, B. C................... (119)
Tillamook Bay, Oreg. .... (93, 1370-1375)
Tillamook Rock, Oreg .... (94)
Tinian Harbor, Pacific Harbor 298
Tinian, Pacific Island 298
Tlevak Narrows, Alaska 239
Tlevak Strait, Alaska .... (3248–3253)
Todd Dock, Wash.................. (2292)
Toke Point Basin, Wash. 150
Toke Point Jetty, Wash. .... (2102.11)
Tokeen Harbor, Alaska .... (3281)
Toliva Shoal, Wash................. (2322)
Tolmie Channel, B. C........ (2782–2787)
Tom Island, B. C .... (2808)
Tom Point, B. C. .... (2507.51)
Tomales Bay, Calif .... (1203)
Tomales Point, Calif............... (1203)
Tomil Harbor, Pacific .... (3855)
Tongass Narrows, Alaska ... (2942.70-2964)
Tongass Reef, Alaska 212
Tongue Point, Col. River .... (1418)
Tongue Point Channel, Col. River .... (1419–1422)
Tongue Point Crossing, Col. River... (1423)
Tonki Cape, Alaska........... (184, 3432)
Toro Creek, Submarine Terminal, Estero Bay, Calif. 45
Towal, Colo. River .... (1773.11)
Trap Rock, Alaska 219
Treasure Island, Calif. .... (663–665)
Treasure Island Shoal, Wash. 175
Tree Bluff, B. C................... (2840)
Tree Point, Alaska .... (2901)
Trial Islands, B. C................. (2238)
Trinadad Harbor, Calif. 8
Trinadad Head, Calif.............. (66, 67)
Trinity Point, Alaska............... (3374)
Triple Island, B. C................. (2751)
Trivett Point, B. C................. (2791)
Trollers Cove, Alaska.............. (2978)
Troutdale, Col. River............... (1644)
Truax Boat Shelter, Wash. .... (2294.75)
Truk Islands, Pacific Islands........ (3836)
Tsaritsa Rock, Alaska.............. (3289)
Tskutsko Point, Wash. .... (2366.11)
Tsuken Shima, Okinawa .... (3868)
Tubbs Point, Idaho................. (2541)
Tucannon, Col. River .... (1968.73)
Tucannon River, Col. River (1968.75, 1968.77)
Tugboat Island, B. C............... (2639)
Tugwell Reef, B. C................. (2836)
Tulalip Bay, Wash. 180
Tuna Point, B. C .... (2693)
Tunnel Point, Oreg. .... (1663.11)
Turn Point, Alaska 211
Turn Point, Wash .... (2508)
Turn Rock, Wash.................. (2494)
Turn Rock, Sukkwan Strait, Alaska 238
Turnabout Island, Alaska .... (3135)
Turning Island, Sitka Sound, Alaska... (3295)
Turtle Rock, Lake Entiat, Wash. 137
Turtle Rocks, Calif. 9
Turtle Rock East Channel, Lake Entiat, Wash. 137
Tutka Bay Entrance, Alaska 255
Tutuila Island, Samoa Islands .. (3801, 3806)
Tuxekan Passage, Alaska 242
Twenty-Four Foot Shoal, Luzon Islands, Pacific......................... (3891)
Twin Island, Alaska .... (2920.50)
Twin Rocks, Wash. 187
Twins (The), Alaska .... (3293)
Two Tree Island, Alaska............ (3011)
Tyee Point, B.C. .... (2690)
Tyee Shoal, Wash.................. (2284)

U

U. S. Army Dock, Alaska...... (3194, 3195)
U. S. Navy, Calif. .... (416.55)
Uganik Bay, Alaska.......... (3479–3481)
Ugashik River, Alaska.............. (3532)
Ukolnoi Island, Alaska .... (3503)
Ulakta Head, Alaska .... (3521)
Umatilla, Col. River .... (1838.11)
Umatilla Reef, Wash................ (106)
Umga Island, Alaska .... (3516)
Umpqua River, Oreg. (84, 85, 1312-1337.13)
Umpqua River, Main Channel, Oreg. (1333–1337.13)
Unalakleet, Alaska................. (3578)
Unalakleet River South Spit, Alaska... (3579)
Unalaska Channel, Alaska 265
Unalaska Island, Alaska...... (3520–3524, 3525)
Undertaker Reef, Wash. 186
Underwood, Col. River.............. (1714)
Unga Reef, Alaska 263
Unga Spit, Alaska.................. (3501)
Union Bay Channel, Wash. 178
Union Oil Company, Alaska ... (3446, 3447)
Union Ventura Tanker, Calif. .... (504.55)
University of Washington, Wash. .. (2398.13)
Upolu Point, Hawaii................ (3653)
Upper Guide Wall, Lake Washington Canal, Wash.......................... (2396)
Upper Jackson Bar , Oreg. 147
Upper Sacramento River, Calif. 79
Upright Head Ferry, Wash........... (2484)
Usal, Calif. 8
Useless Point, B. C................ (2819)
Usher Rock Shoal, Alaska........... (3301)
Uyak Bay, Alaska.. .... (3478)
Uzinki Narrows, Alaska. 258

V

Valdez Arm, Alaska ....(3362, 3362.50)
Valdez Harbor, Alaska .... (3362.50)
Vallejo Marina, Calif. ..... (869.07-869.14)
Vallenar Point, Alaska 216
Vallenar Rock, Alaska .... (2963.50)
Vancouver, Col. River........ (1604, 1605, 1608, 1609)
Vancouver Channel, Col. River .... (1607, 1610.11)
Vancouver Rock, B. C.............. (2779)
Vancouver to Bonneville, Col. River..................... (1604–1687)
Vancouver to Bonneville, Main Channel, Col. River (1604–1612, 1622–1631, 1637–1687)
Vanderbilt Reef, Alaska .... (3186)
Vank Island, Alaska................ (3005)
Vansittart Point, B.C. .... (2689)
Veer, Col. River .... (1968.45)
Vendovi Island, Wash. 184
Venice Fishing Pier, Calif. ..... (486)
Ventura, Calif. .... (504.15–507.55)
Vichnefski Rock, Alaska............ (3009)
Viento, Col. River .... (1710)
View Cove, Alaska .... (3250)
Village Islands, Alaska............. (2999)
Village Islands Rock, Alaska 219
Village Point, Alaska .... (2937)
Village Point, Wash. .... (2489.11)
Village Rock, Kootznahoo Inlet, Alaska .... (3207.11)
Village Rock, Tuxekan Passage, Alaska 242
Village Rock, Zimovia Strait, Alaska ... 219
Vista, Col. River .... (1925)130
Viti Rocks, Wasb .... (2464)
Vitskari Island, Alaska............. (3285)
Volga Island, Alaska............... (3294)
Von Helm Rock, Calif .... (32)

W

Waadah Island, Wash .... (2222)
Wagnersburg, Lake Entiat, Wash. 137
Waiakea, Hawaii .... (3632)
Waiakea Creek Channel, Hawaii 272
Waialua Bay, Hawaii .... (3750–3752.20)
Waihee Reef, Hawaii .... (3655)
Waikiki Wreck, Hawaii.............. (3706)
Wainwright Racon, Alaska .... (236)

(For numbers in parentheses, see Column 1 of list; other numbers refer to page numbers. Where unlighted buoys and daybeacons are given the same geographic reference in the list as the aids in parentheses, the page number is omitted.)

Wake Island, Pacific Islands .. (3807–3811)
Wake Island Channel, Pacific Islands (3808, 3811)
Wake Island Directional, Pacific Island (3811)
Walen Point, Wash. (2346)
Walkem Islands, B. C. (2687.50)
Walker (Camp) Island, B. C. .... (2766)
Walker Island, Col. River .... (1511)
Walker Rock, B. C. .... (2620)
Walla Walla, Col. River .... (1916)
Wallace Island, Col. River .... (1495)
Wallace Rock, Alaska 237
Wallace Slough, Col. River ... (1495, 1502)
Walnut Grove, Calif .... (1155)
Warburton Island, Alaska .... (2935)
Warm Spring Bay, Alaska .... (3202)
Warning signals for Coast Guard vessels while handling aids to navigation ... XI
Warrendale, Col. River .... (1681, 1682, 1684, 1685)
Warrior Rock, Col. River ...... (1573–1576)
Wasco, Col. River .... (1726)
Washington Bay, Alaska .... (3126)
Washougal, Col. River .... (1649–1653)
Wasp Passage, Wash .... (2499)
Watcher Island, B. C. .... (2754)
Waterford, Col. River .... (1485)
Waterman Point, Wash .... (2387)
Waters of Jurisdiction IV
Watson Rock, B. C .... (2812)
Wauna, Col. River (1466–1468, 1469.12 – 1469.14)
Wauna Dike, Col. River .... (1470)
Wavanda Ledge, Alaska 246
Webster Point, Wash .... (2399)
Wedge Island, B. C. .... (2702)
Welch Island Channel, Col. River .... (1447, 1449, 1451, 1453)
Wessels Reef, Alaska 20
West Caroline Islands, Pacific Islands (3855, 3856) 301
West Channel, Col. River (1918–1922) 128
West Clump, Alaska 215
West Channel Junction, Wash. 128
West Crossing, Calif. .... (666–675)
West Dalles, Col. River .... (1744)
West Francis Rock, Alaska .... (3323)
West Olympia, Wash... .... (2331)
West Passage, Pacific Islands 298, 301
West Pinta Rocks, Alaska .... (3133)
West Point, Wash .... (2282)
West Point, Frederick Sound, Alaska 225
West Ramp, Wash. (2294.81)
West Rock, Alaska .... (3100.11)
West Seattle Boat Ramp, Wash. (2294.81)
West Side, Hecate Strait, B. C. (2728–2736)
West Waterway, Seattle Harbor, Wash .. (2293)
West Waterway Control, Wash .... (2294)
Westdahl Rock, Alaska .... (192.03)
Westdahl Rock, Calif .... (29)
Westerly Jetty, Georgia Strait, B. C .. (2632)
Western Channel, Alaska ...... (3299–3308)
Western Pacific Ferry Slip, Calif ...... (745)
Westhaven Outer, Wash .... (2212, 2213)
Westhaven South Breakwater, Wash ... (2214)
Westport, Wash. (1474, 1475, 1478.11)
Westport Channel, Wash .... (1480)
Westport Dike, Col. River (1472.11, 1473.11, 1476–1478)
Westview Fishing Harbor South, Strait of Georgia, B. C .... (2673)
Whale Channel, B. C .... (2803–2806)
Whale Island, Alaska .... (3576)
Whale Passage, Alaska .... (3435)
Whale Rock, Samoa Islands .... (3804)
Whatcom Waterway, Wash. (2468, 2468.51)
Whiffin Spit, B. C .... (2230)
Whirlpool Point, Alaska .... (189, 3474)
Whiskey Point, Idaho (2569)
Whiskey Rock, Idaho (2570)
Whitcomb, Col. River .. (1806.11, 1807.11)
White Cliff, Alaska .... (3273)
White Cliff Passage, Alaska .... (3279)
White Rocks, B. C .... (2743)
Whitestone Creek, Col. River .... (1978)
Whitestone Narrows Channel, Alaska (3315–3316.50)
Whitestone Narrows Rock, Alaska ..... (3313)
Whitestone Point, Alaska .... (3314)
Whiting Rock, Calif. 61
Whitney Point, Wash .... (2369)
Whittier Harbor, Alaska 252
Wilbraham Point, B. C .... (2664)
Wilby Shoal, B. C .... (2679)
Will Rogers Beach Electrode Marker, Calif. 41
Willamette River, Oreg. (2065–2089) 149
Willapa Bay, Wash ..... (98, 99, 2090–2140)
Willapa River, Wash .... (2103–2129)
William Head, B. C. .... (2233)
William Point, Wash .... (2461)
Williams Reef, Alaska .... (185, 3436)
Williamson Rocks, Wash .... (2477.11)
Willow, Col. River .... (1588–1593)
Willow Creek, Calif. 44
Wilmont, Col. River .... (1988)
Wilson Cove, Calif. ....(382–386)
Wilson Rock, B. C. .... (2798)
Wind Mountain, Wash .... (1701, 1702, 1706, 1707)
Windham Bay, Alaska .... (3140)
Windust, Wash. (1968, 1968.11) 132
Winesap, Lake Entiat, Wash. 137
Wing Point Reef, Wash. 166
Wolcott Reef, Alaska 261
Wolf Lodge Bay, Idaho .... (2542)
Womens Bay, Alaska (3454, 3463)
Wood Point Reef, Alaska .... (3082.30)
Wood Spit, Alaska .... (3142)
Woody Island, Kodiak Harbor, Alaska .... (3441, 3441.11)
Woody Island Channel, Col. River 144
Work Island, B. C. .... (2789)
Woronkofski Point, Alaska 220
Worwor Inlet, West Caroline Islands, Pacific Islands 299
Wrangell Harbor, Alaska 219
Wrangell Narrows, Alaska .... (3013–3080)
Wrangell, Zimovia Strait, Alaska ..... (3001)
Wrecks, marking of XI
Wyckoff, Wash. 170
Wyvil Reef, Alaska .... (3318)

Y

Yacht Course, San Diego Bay, Calif. 26
Yakataga, Alaska .... (171)
Yakima River, Col. River .... (1926)
Yakutat Bay, Alaska .... (170, 3338–3341)
Yap Island, Pacific Islands .... (3855)
Yaquina Bay, Oreg. ...... (88, 1343–1365)
Yaquina Head, Oreg .... (89)
Yaquina River, Oreg .... (1355–1365)
Yasha Island, Alaska 228
Yellow Bluff, Calif .... (647)
Yellow Bluff Reef, Bellingham Channel, Wash. 184
Yellow Point, Peril Strait, Alaska (3326.50)
Yellow Point Rock, Alaska 247
Yerba Buena Island, Calif ...... (665, 790)
York Point, B. C .... (2805)
Youngs Bay, Col. River .... (2028, 2029)
YRA Race Course, Calif. 49
Yuzhni Point, Alaska 258

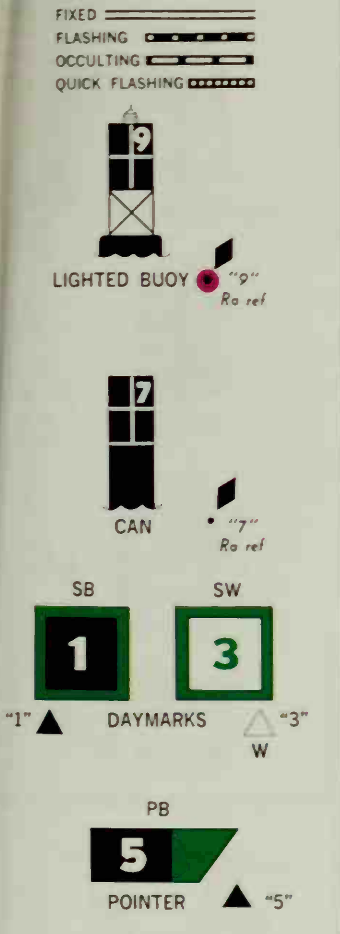
Z

Zero Rock, B. C. .... (2503)
Zimovia Strait, Alaska .... (2997–3001)
Zuniga Jetty, Calif. 26

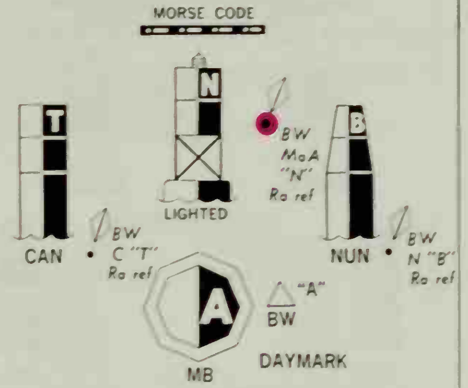
AIDS TO NAVIGATION ON NAVIGABLE WATERS
except Western Rivers and Intracoastal Waterway

LATERAL SYSTEM AS SEEN ENTERING FROM SEAWARD

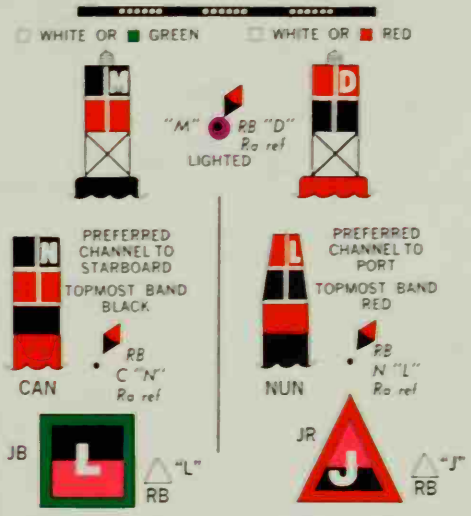
PORT SIDE
ODD NUMBERED AIDS
☐ WHITE OR 🟩 GREEN LIGHTS


FIXED
FLASHING
OCCULTING
QUICK FLASHING
9
LIGHTED BUOY
"9"
Ra ref
7
CAN
"7"
Ra ref
SB
SW
1
3
"1"
DAYMARKS
"3"
W
PB
5
POINTER
"5"

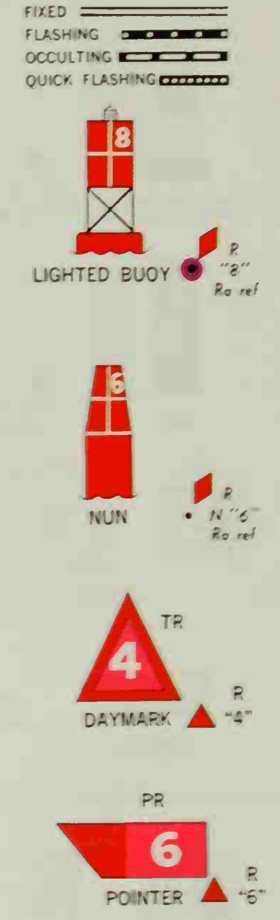
MID CHANNEL
NO NUMBERS—MAY BE LETTERED
☐ WHITE LIGHT ONLY


MORSE CODE
T
CAN
BW
C "T"
Ra ref
N
LIGHTED
BW
MoA
"N"
Ra ref
B
NUN
BW
N "B"
Ra ref
A
MB
"A"
BW
DAYMARK

JUNCTION
MARK JUNCTIONS AND OBSTRUCTIONS
NO NUMBERS—MAY BE LETTERED
INTERRUPTED QUICK FLASHING

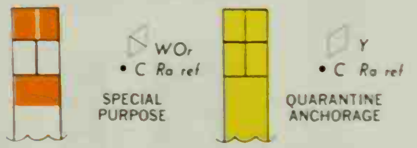

☐ WHITE OR 🟩 GREEN
☐ WHITE OR 🟥 RED
M
"M"
RB "D"
Ra ref
LIGHTED
D
N
PREFERRED CHANNEL TO STARBOARD
TOPMOST BAND BLACK
CAN
RB
C "N"
Ra ref
L
PREFERRED CHANNEL TO PORT
TOPMOST BAND RED
NUN
RB
N "L"
Ra ref
JB
L
"L"
RB
JR
J
"J"
RB

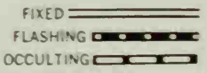
STARBOARD SIDE
EVEN NUMBERED AIDS
☐ WHITE OR 🟥 RED LIGHTS

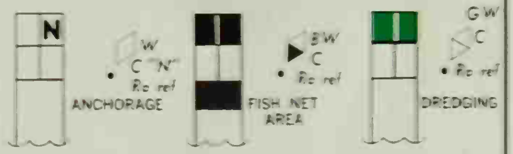

FIXED
FLASHING
OCCULTING
QUICK FLASHING
8
LIGHTED BUOY
R
"8"
Ra ref
6
NUN
R
N "6"
Ra ref
TR
4
DAYMARK
R
"4"
PR
6
POINTER
R
"6"

BUOYS HAVING NO LATERAL SIGNIFICANCE—ALL WATERS

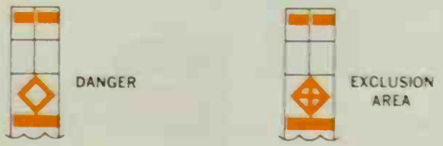
SHAPE HAS NO SIGNIFICANCE
NO NUMBERS—MAY BE LETTERED
MAY BE LIGHTED
ANY COLOR LIGHT EXCEPT
RED OR GREEN


WOr
C Ra ref
SPECIAL PURPOSE
Y
C Ra ref
QUARANTINE ANCHORAGE


FIXED
FLASHING
OCCULTING

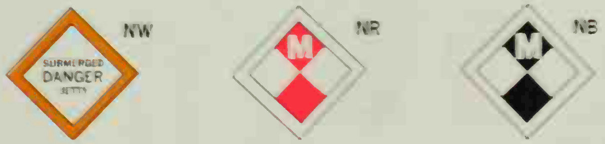

N
W
C "N"
Ra ref
ANCHORAGE
BW
C
Ra ref
FISH NET AREA
GW
C
Ra ref
DREDGING

UNLIGHTED


DANGER
EXCLUSION AREA

DAYMARKS HAVING NO LATERAL SIGNIFICANCE

MAY BE LETTERED

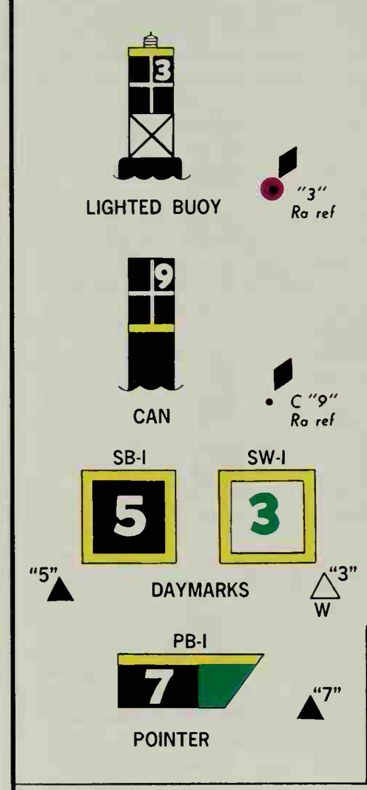

SUBMERGED
DANGER
JETTY
NW
M
NR
M
NB

AIDS TO NAVIGATION ON THE INTRACOASTAL WATERWAY

AS SEEN ENTERING FROM NORTH AND EAST—PROCEEDING TO SOUTH AND WEST

PORT SIDE

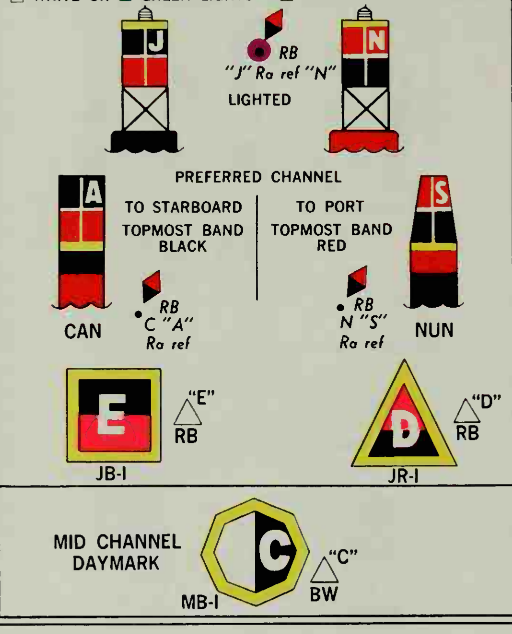
ODD NUMBERED AIDS
☐ WHITE OR 🟩 GREEN LIGHTS
FIXED ═══ OCCULTING
FLASHING QUICK FLASHING


3
LIGHTED BUOY
"3"
Ra ref
9
CAN
C "9"
Ra ref
SB-I
SW-I
5
3
"5"
DAYMARKS
"3"
W
PB-I
7
POINTER
"7"

JUNCTION

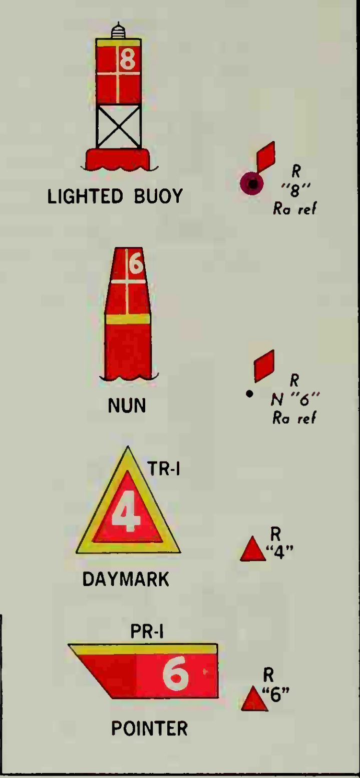
MARK JUNCTIONS AND OBSTRUCTIONS
NO NUMBERS—MAY BE LETTERED
INTERRUPTED QUICK FLASHING

☐ WHITE OR 🟩 GREEN LIGHTS ☐ WHITE OR 🟥 RED LIGHTS

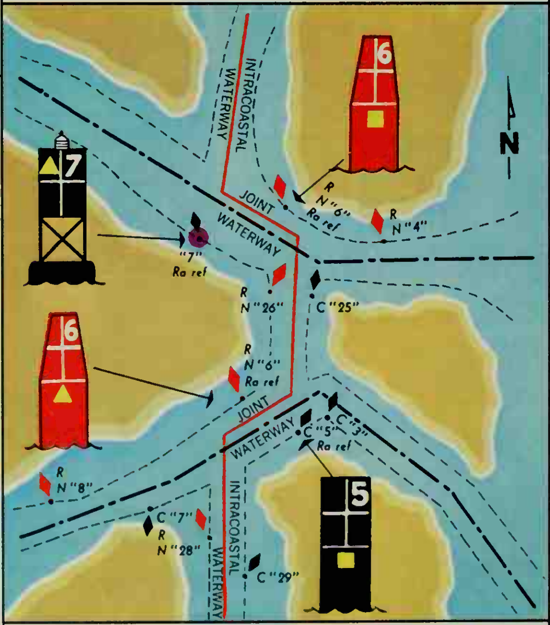

J
RB
"J" Ra ref "N"
LIGHTED
N
PREFERRED CHANNEL
TO STARBOARD
TOPMOST BAND
BLACK
TO PORT
TOPMOST BAND
RED
A
CAN
RB
C "A"
Ra ref
RB
N "S"
Ra ref
S
NUN
E
"E"
RB
JB-I
D
"D"
RB
JR-I
MID CHANNEL
DAYMARK
C
"C"
BW
MB-I

STARBOARD SIDE

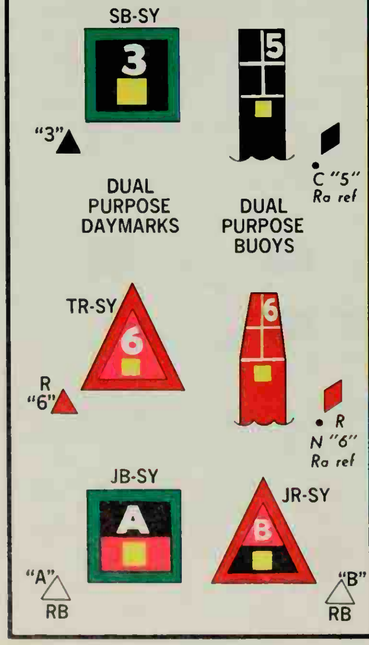
EVEN NUMBERED AIDS
☐ WHITE OR 🟥 RED LIGHTS
FIXED ═══ OCCULTING
FLASHING QUICK FLASHING

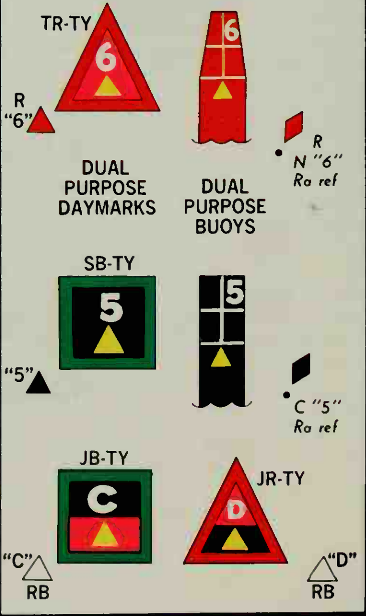

8
LIGHTED BUOY
R
"8"
Ra ref
6
NUN
R
N "6"
Ra ref
TR-I
4
DAYMARK
R
"4"
PR-I
6
R
"6"
POINTER

DUAL PURPOSE MARKING USED WHERE THE ICW AND OTHER WATERWAYS COINCIDE


INTRACOASTAL WATERWAY
6
N
7
JOINT WATERWAY
R
N "6"
Ra ref
R
N "4"
"7"
Ra ref
R
N "26"
C "25"
6
R
N "6"
Ra ref
JOINT WATERWAY
C "5"
Ra ref
C "3"
R
N "8"
C "7"
R
N "28"
INTRACOASTAL WATERWAY
C "29"
5

When following the ICW from New Jersey through Texas, a △ should be kept to your starboard hand and a ☐ should be kept to your port hand, regardless of the color of the aid on which they appear.


SB-SY
3
"3"
5
C "5"
Ra ref
DUAL PURPOSE DAYMARKS
DUAL PURPOSE BUOYS
TR-SY
6
R
"6"
6
R
N "6"
Ra ref
JB-SY
A
"A"
RB
JR-SY
B
"B"
RB

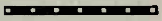

TR-TY
6
R
"6"
6
R
N "6"
Ra ref
DUAL PURPOSE DAYMARKS
DUAL PURPOSE BUOYS
SB-TY
5
"5"
5
C "5"
Ra ref
JB-TY
C
"C"
RB
JR-TY
D
"D"
RB

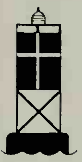
AIDS TO NAVIGATION ON WESTERN RIVERS

AS SEEN ENTERING FROM SEAWARD

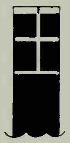
PORT SIDE

☐ WHITE OR 🟩 GREEN LIGHTS
FLASHING

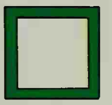




LIGHTED BUOY

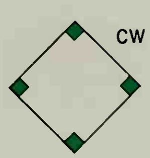


CAN



SW

PASSING DAYMARK



CW

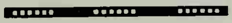
CROSSING DAYMARK

176.9

MILE BOARD

JUNCTION

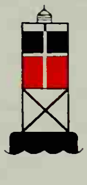
MARK JUNCTIONS AND OBSTRUCTIONS
INTERRUPTED QUICK FLASHING

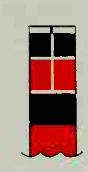


PREFERRED CHANNEL
TO STARBOARD

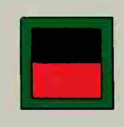
TOPMOST BAND BLACK

☐ WHITE OR
🟩 GREEN LIGHTS





CAN

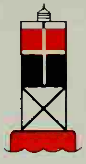


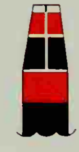
JB

PREFERRED CHANNEL
TO PORT

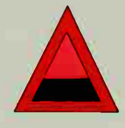
TOPMOST BAND RED

☐ WHITE OR
🟥 RED LIGHTS





NUN

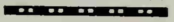


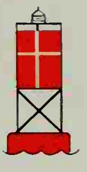
JR

LIGHTED

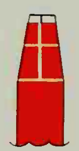
STARBOARD SIDE

☐ WHITE OR 🟥 RED LIGHTS
GROUP FLASHING (2)

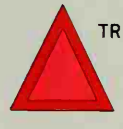




LIGHTED BUOY

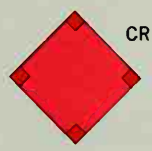


NUN



TR

PASSING DAYMARK



CR

CROSSING DAYMARK

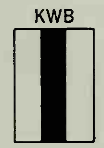
123.5

MILE BOARD

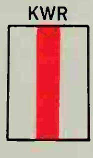
RANGE DAYMARKS

NAVIGABLE WATERS
EXCEPT ICW

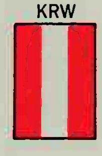
KWB



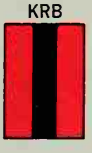
KWR



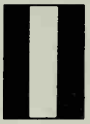
KRW



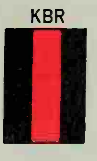
KRB



KBW

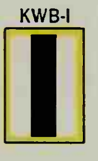


KBR

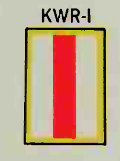


INTRACOASTAL
WATERWAY

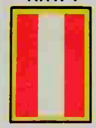
KWB-I



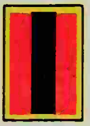
KWR-I



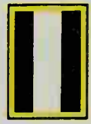
KRW-I



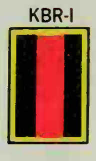
KRB-I



KBW-I



KBR-I

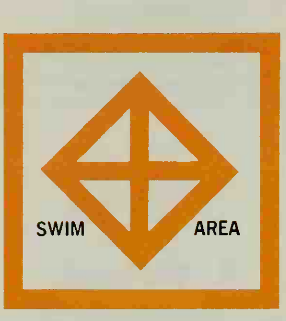


MAY BE LETTERED

UNIFORM STATE WATERWAY MARKING SYSTEM

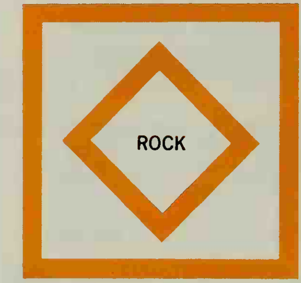
STATE WATERS AND DESIGNATED STATE WATERS FOR PRIVATE AIDS TO NAVIGATION

REGULATORY MARKERS



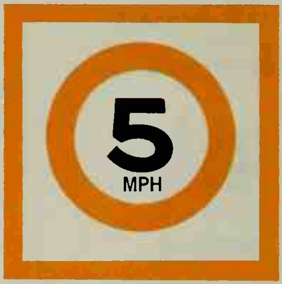
BOAT
EXCLUSION
AREA

EXPLANATION MAY BE PLACED OUTSIDE THE CROSSED DIAMOND SHAPE, SUCH AS DAM, RAPIDS, SWIM AREA, ETC.



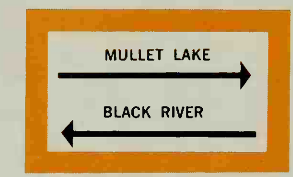
DANGER

THE NATURE OF DANGER MAY BE INDICATED INSIDE THE DIAMOND SHAPE, SUCH AS ROCK, WRECK, SHOAL, DAM, ETC.



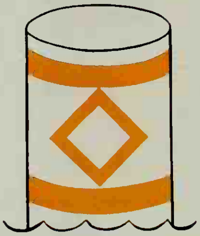
CONTROLLED
AREA

TYPE OF CONTROL IS INDICATED IN THE CIRCLE, SUCH AS 5 MPH, NO ANCHORING, ETC.



INFORMATION

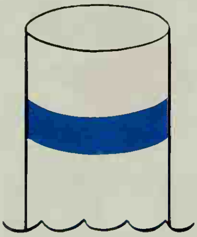
FOR DISPLAYING INFORMATION SUCH AS DIRECTIONS, DISTANCES, LOCATIONS, ETC.



BUOY USED TO DISPLAY REGULATORY MARKERS

MAY SHOW WHITE LIGHT
MAY BE LETTERED

AIDS TO NAVIGATION

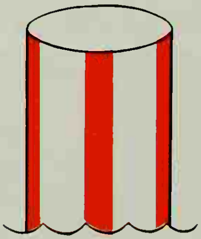


MOORING
BUOY

WHITE WITH BLUE BAND

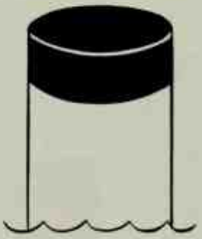
MAY SHOW WHITE REFLECTOR OR LIGHT

MAY SHOW WHITE REFLECTOR OR LIGHT

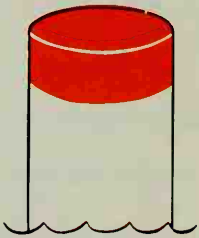


RED-STRIPED
WHITE BUOY

MAY BE LETTERED
DO NOT PASS BETWEEN
BUOY AND NEAREST SHORE



BLACK-TOPPED
WHITE BUOY



RED-TOPPED
WHITE BUOY

MAY BE NUMBERED

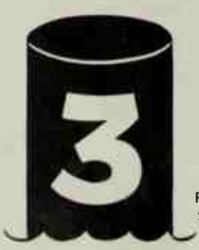
PASS TO NORTH
OR EAST OF BUOY

PASS TO SOUTH
OR WEST OF BUOY

CARDINAL SYSTEM

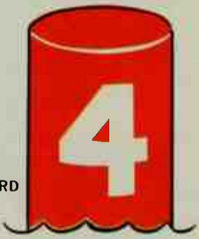
MAY SHOW GREEN REFLECTOR OR LIGHT

MAY SHOW RED REFLECTOR OR LIGHT



SOLID RED AND SOLID BLACK BUOYS

USUALLY FOUND IN PAIRS
PASS BETWEEN THESE BUOYS



PORT SIDE —— LOOKING UPSTREAM —— STARBOARD SIDE

LATERAL SYSTEM